

TPWD recommends using nest management strategies which include installing nesting platforms on or near power structures to provide nesting sites for several protected species while minimizing the risks of electrocution, equipment damage, or outages (Avian Power Line Interaction Committee 2006).

Avian Collision Risks

Birds typically establish flight corridors along and within river and creek drainages. Transmission lines that cross or are located very near these drainages should have line markers installed at the crossings or closest points to the drainages to reduce the potential of collisions by birds flying along or near the drainage corridors.

If transmission lines are located in an area with tall trees, the height of the transmission line should not be taller than the trees to reduce collision risks.

Transmission lines should be located to avoid separating feeding and nesting areas. If this cannot be avoided lines should be clearly marked to minimize avian collisions with the lines (Avian Power Line Interaction Committee 1994).

Transmission lines should be buried, when practical, to reduce the risks of avian collisions.

Habitat Impacts

Construction should avoid identified wetland areas. Coordination with appropriate agencies should be accomplished to ensure regulatory compliance. Construction should occur during dry periods.

Construction should attempt to minimize the amount of flora and fauna disturbed. Reclamation of construction sites should emphasize replanting with native grasses and leguminous forbs.

Existing rights-of-way should be used to upgrade facilities, where possible, in order to avoid additional clearing and prevent adverse impacts associated with habitat loss and fragmentation of existing blocks of wooded habitat.

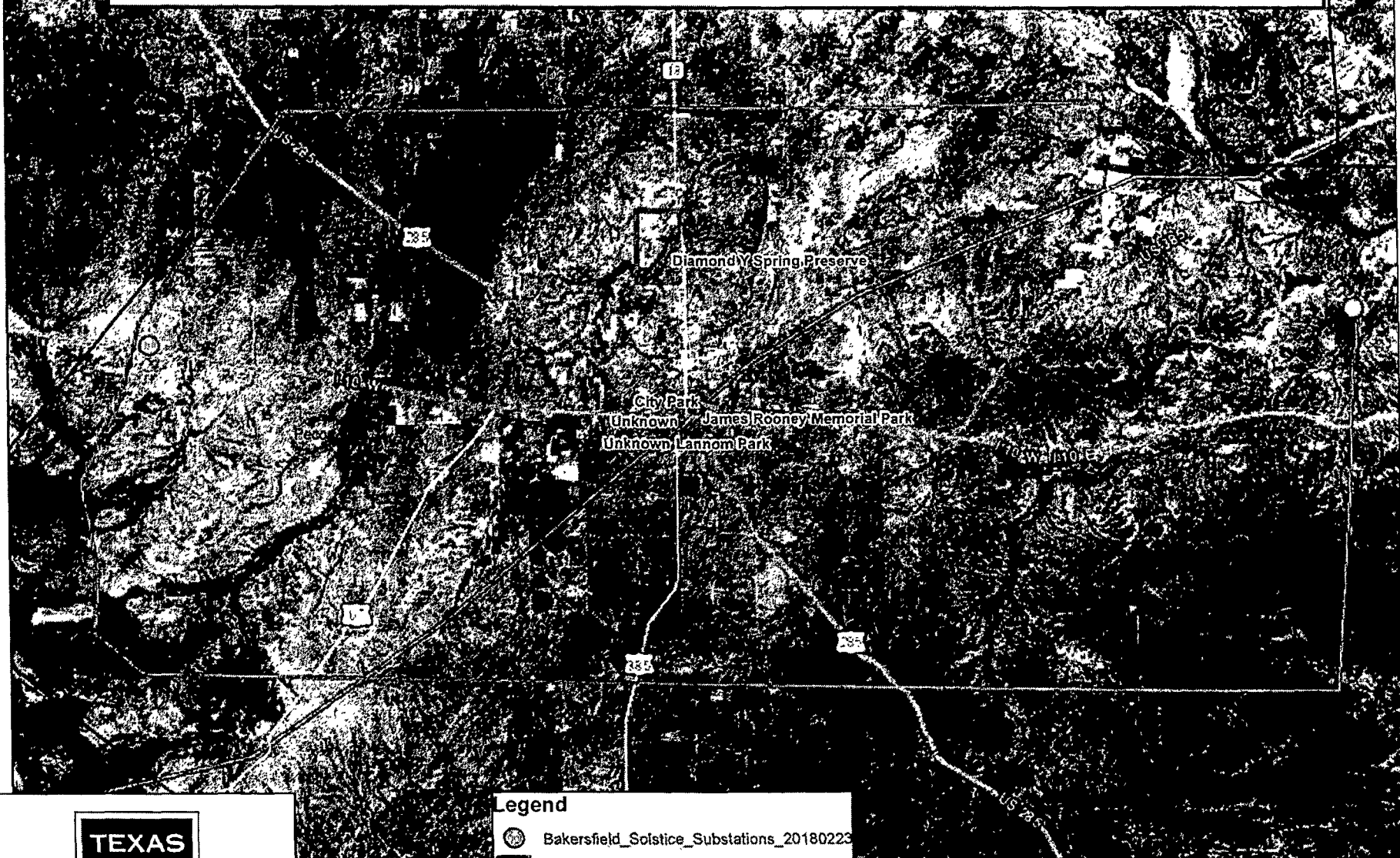
Forest and woody areas provide food and cover for wildlife, these cover types should be preserved. Mature trees, particularly those which produce nuts or acorns, should be retained. Shrubs and trees should be trimmed rather than cleared.

Transmission lines should be designed to cross streams at right angles, at points of narrowest width, and/or at the lowest banks whenever feasible to provide the least disturbance to stream corridor habitat.

Implementation of wildlife management plans along rights-of-way should be considered whenever feasible.

All pole design should be single phase (without arms), where possible, to preserve the aesthetics of the area.

Managed Areas and Conservation Easement LCRA TSC and AEP Texas Proposed Bakersfield to Solstice 345-kV Transmission Line Project Pecos County



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Legend

- Bakersfield_Solstice_Substations_20180223
- Bakersfield_Solstice_StudyArea_20180223
- Conservation Easements
- Managed Areas

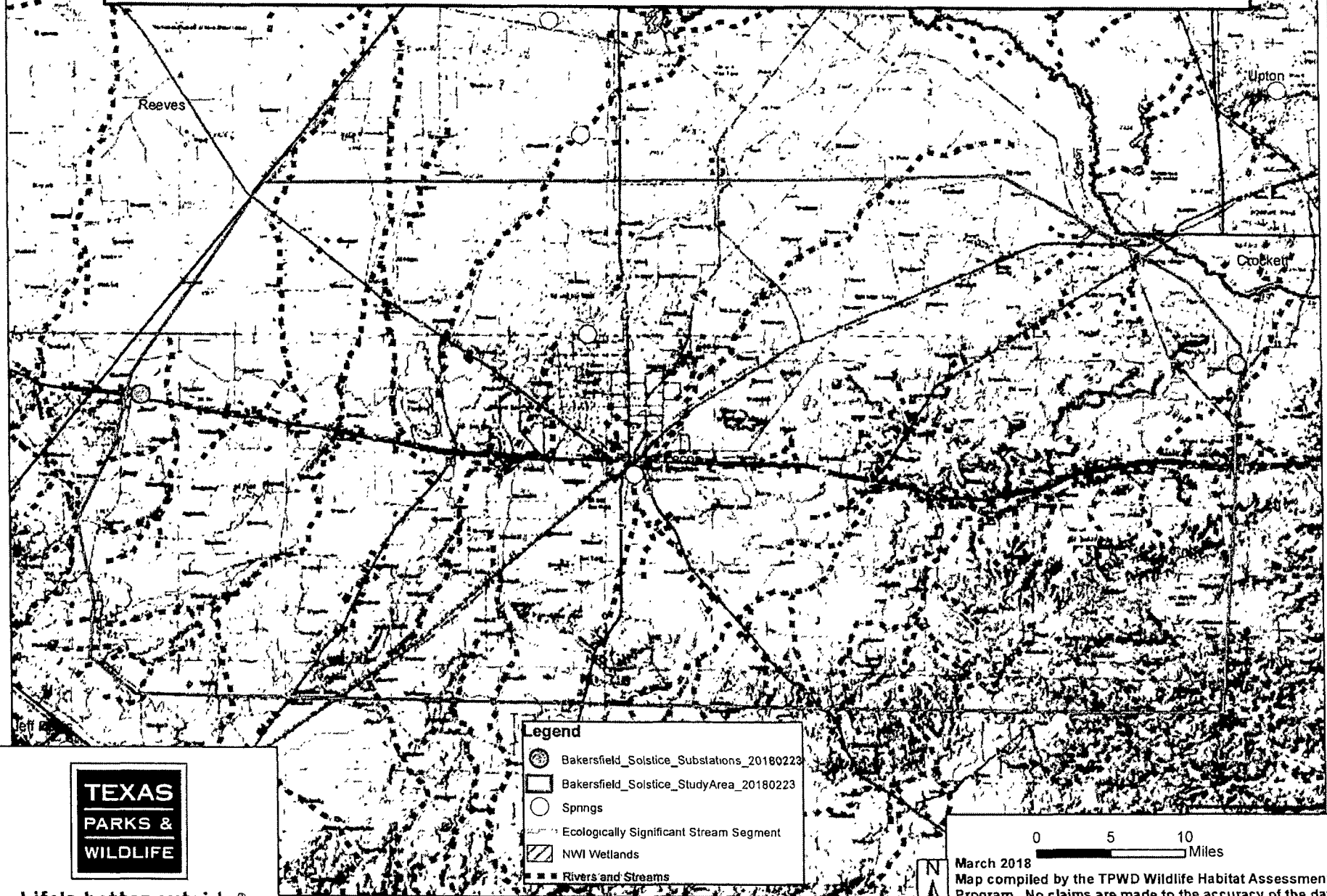
Map data © OpenStreetMap contributors, CNES

0 5 10 Miles

March 2018

Map compiled by the TPWD Wildlife Habitat Assessment Program. No claims are made to the accuracy of the data or to the suitability of the data to a particular use.

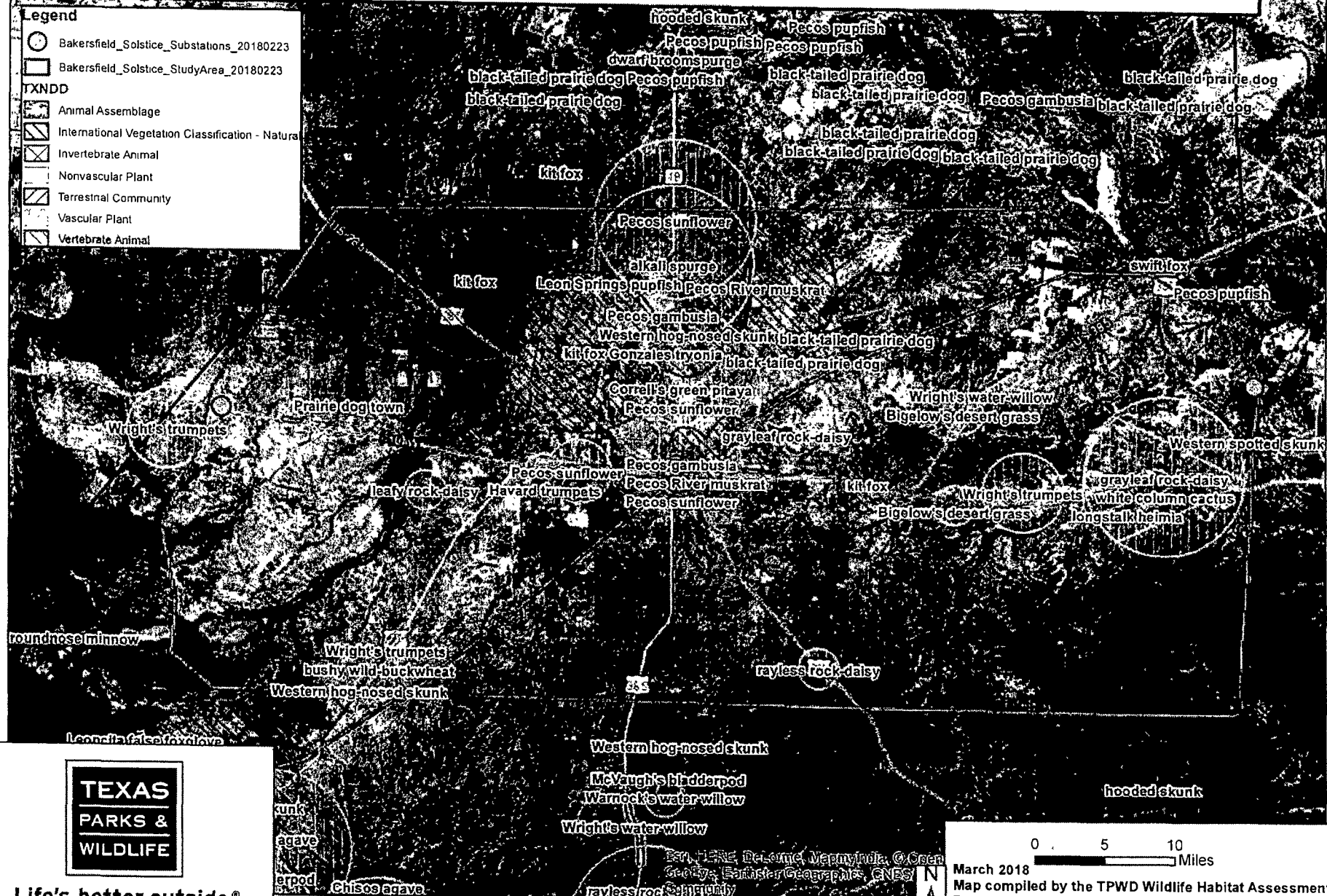
Water Resources LCRA TSC and AEP Texas Proposed Bakersfield to Solstice 345-kV Transmission Line Project Pecos County



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Texas Natural Diversity Database (TXNDD) LCRA TSC and AEP Texas Proposed Bakersfield to Solstice 345-kV Transmission Line Project Pecos County

- Legend**
- Bakersfield_Solstice_Substations_20180223
 - Bakersfield_Solstice_StudyArea_20180223
 - TXNDD**
 - Animal Assemblage
 - International Vegetation Classification - Natural
 - Invertebrate Animal
 - Nonvascular Plant
 - Terrestrial Community
 - Vascular Plant
 - Vertebrate Animal






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March 2018
Map compiled by the TPWD Wildlife Habitat Assessment Program. No claims are made to the accuracy of the data or to the suitability of the data to a particular use.

USFWS Designated Critical Habitat LCRA TSC and AEP Texas Proposed Bakersfield to Solstice 345-kV Transmission Line Project Pecos County

Legend

-  Bakersfield_Solstice_Substations_20180223
-  Bakersfield_Solstice_StudyArea_20180223
-  USFWS Critical Habitat

USFWS Critical Habitat for the following species:

Leon Springs pupfish
Pecos/puzzle sunflower
Pecos assiminea snail
Diamond tryonia
Gonzales tryonia

TEXAS
PARKS &
WILDLIFE

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Street Map contributors, GeoEye, IGN,
GeoEye, Swire, GeoEye, IGN, GeoEye, Swire,
Community

March 2018
Map compiled by the TPWD Wildlife Habitat Assessment
Program. No claims are made to the accuracy of the data
or to the suitability of the data to a particular use.

Protection of State-Listed Species
Texas Parks and Wildlife Department Guidelines

Protection of State-Listed Species

State law prohibits any take (incidental or otherwise) of state-listed species. State-listed species may only be handled by persons possessing a **Scientific Collecting Permit** or a **Letter of Authorization** issued to relocate a species.

- **Section 68.002 of the Texas Parks and Wildlife (TPW) Code** states that species of fish or wildlife indigenous to Texas are endangered if listed on the United States List of Endangered Native Fish and Wildlife or the list of fish or wildlife threatened with statewide extinction as filed by the director of Texas Park and Wildlife Department. Species listed as Endangered or Threatened by the Endangered Species Act are protected by both Federal and State Law. The State of Texas also lists and protects additional species considered to be threatened with extinction within Texas.
- **Animals** - Laws and regulations pertaining to state-listed endangered or threatened animal species are contained in **Chapters 67 and 68 of the Texas Parks and Wildlife (TPW) Code** and **Sections 65.171 - 65.176 of Title 31 of the Texas Administrative Code (TAC)**. State-listed animals may be found at **31 TAC §65.175 & 176**.
- **Plants** - Laws and regulations pertaining to endangered or threatened plant species are contained in **Chapter 88 of the TPW Code** and **Sections 69.01 - 69.9 of the TAC**. State-listed plants may be found at **31 TAC §69.8(a) & (b)**.

Prohibitions on Take of State Listed Species

Section 68.015 of the TPW Code states that no person may capture, trap, take, or kill, or attempt to capture, trap, take, or kill, endangered fish or wildlife.

Section 65.171 of the Texas Administrative Code states that except as otherwise provided in this subchapter or **Parks and Wildlife Code, Chapters 67 or 68**, no person may take, possess, propagate, transport, export, sell or offer for sale, or ship any species of fish or wildlife listed by the department as endangered or threatened.

"Take" is defined in **Section 1.101(5) of the Texas Parks and Wildlife Code** as:

"Take," except as otherwise provided by this code, means collect, hook, hunt, net, shoot, or snare, by any means or device, and includes an attempt to take or to pursue in order to take.

Penalties

The penalties for take of state-listed species (**TPW Code, Chapter 67 or 68**) are:

- 1ST Offense = Class C Misdemeanor:
\$25-\$500 fine
- One or more prior convictions = Class B Misdemeanor
\$200-\$2,000 fine and/or up to 180 days in jail.
- Two or more prior convictions = Class A Misdemeanor
\$500-\$4,000 fine and/or up to 1 year in jail.






































Restitution values apply and vary by species. Specific values and a list of species may be obtained from the TPWD Wildlife Habitat Assessment Program.

Ecological Mapping Systems of Texas (EMST) - Sheet 1 of 2

LCRA TSC and AEP Texas Proposed Bakersfield to Solstice 345-kV Transmission Line Project

Pecos County

Legend

-  Bakersfield_Solstice_Substations_20180223
-  Bakersfield_Solstice_StudyArea_20180223
- Chihuahuan Desert Ecoregion EMST**
-  Barren
-  Edwards Plateau Ashe Juniper Mottle and Woodland
-  Edwards Plateau Barren or Grassy Cliff/Bluff
-  Edwards Plateau Deciduous Semi-and Shrubland
-  Edwards Plateau Deciduous Semi-and Slope Shrubland
-  Edwards Plateau Juniper Semi-and Shrubland
-  Edwards Plateau Juniper Semi-and Slope Shrubland
-  Edwards Plateau Riparian Ashe Juniper Forest
-  Edwards Plateau Riparian Ashe Juniper Shrubland
-  Edwards Plateau Riparian Deciduous Shrubland
-  Edwards Plateau Riparian Hardwood - Ashe Juniper Forest
-  Edwards Plateau Riparian Hardwood Forest
-  Edwards Plateau Semi-arid Grassland
-  Edwards Plateau Wooded Cliff/Bluff
-  Native Invasive Juniper Shrubland
-  Native Invasive Juniper Woodland
-  Native Invasive Mesquite - Creosotebush Shrubland
-  Native Invasive Mesquite Shrubland
-  Non-native Invasive Giant Reed
-  Non-native Invasive Saltcedar Shrubland
-  Open Water
-  Rolling Plains Mixedgrass Prairie
-  Row Crops
-  Southwest Tobosa - Mesquite Grassland
-  Southwest Tobosa Grassland
-  Trans-Pecos Cliff and Outcrop
-  Trans-Pecos Creosotebush Scrub
-  Trans-Pecos Desert Cienega Marsh
-  Trans-Pecos Desert Pavement
-  Trans-Pecos Desert Wash Barren
-  Trans-Pecos Desert Wash Evergreen Shrubland
-  Trans-Pecos Desert Wash Grassland
-  Trans-Pecos Desert Wash Shrubland
-  Trans-Pecos Hill and Foothill Grassland
-  Trans-Pecos Loamy Plains Grassland
-  Trans-Pecos Marsh
-  Trans-Pecos Mixed Desert Shrubland
-  Trans-Pecos Riparian Barren
-  Trans-Pecos Riparian Shrubland
- Trans-Pecos Riparian Woodland
- Trans-Pecos Salty Desert Grassland
- Trans-Pecos Salty Desert Scrub
- Trans-Pecos Sparse Creosotebush Scrub
- Trans-Pecos Succulent Desert Scrub
- Urban High Intensity
- Urban Low Intensity



Life's better outside.®

Source: Esri, DigitalGlobe, GeoEye, Earthstar, CN, and the GIS User Community



0 5 10 Miles

March 2018
Map compiled by the TPWD Wildlife Habitat Assessment Program. No claims are made to the accuracy of the data or to the suitability of the data to a particular use.

Ecological Mapping Systems of Texas (EMST) - Sheet 2 of 2

LCRA TSC and AEP Texas Proposed Bakersfield to Solstice 345-kV Transmission Line Project

Pecos County

- Legend**
- Bakersfield_Solstice_Substations_20180223
 - Bakersfield_Solstice_StudyArea_20180223
 - Chihuahuan Desert Ecoregion EMST**
 - Barren
 - Edwards Plateau: Ashe Juniper Mottle and Woodland
 - Edwards Plateau: Barren or Grassy Cliff/Bluff
 - Edwards Plateau: Deciduous Semi-arid Shrubland
 - Edwards Plateau: Deciduous Semi-arid Slope Shrubland
 - Edwards Plateau: Juniper Semi-arid Shrubland
 - Edwards Plateau: Juniper Semi-arid Slope Shrubland
 - Edwards Plateau: Riparian Ashe Juniper Forest
 - Edwards Plateau: Riparian Ashe Juniper Shrubland
 - Edwards Plateau: Riparian Deciduous Shrubland
 - Edwards Plateau: Riparian Hardwood - Ashe Juniper Forest
 - Edwards Plateau: Riparian Hardwood Forest
 - Edwards Plateau: Semi-arid Grassland
 - Edwards Plateau: Wooded Cliff/Bluff
 - Native Invasive: Juniper Shrubland
 - Native Invasive: Juniper Woodland
 - Native Invasive: Mesquite - Creosotebush Shrubland
 - Native Invasive: Mesquite Shrubland
 - Non-native Invasive: Giant Reed
 - Non-native Invasive: Saltcedar Shrubland
 - Open Water
 - Rolling Plains: Mixedgrass Prairie
 - Row Crops
 - Southwest: Tobosa - Mesquite Grassland
 - Southwest: Tobosa Grassland
 - Trans-Pecos: Cliff and Outcrop
 - Trans-Pecos: Creosotebush Scrub
 - Trans-Pecos: Desert Cienega Marsh
 - Trans-Pecos: Desert Pavement
 - Trans-Pecos: Desert Wash Barren
 - Trans-Pecos: Desert Wash Evergreen Shrubland
 - Trans-Pecos: Desert Wash Grassland
 - Trans-Pecos: Desert Wash Shrubland
 - Trans-Pecos: Hill and Foothill Grassland
 - Trans-Pecos: Loamy Plains Grassland
 - Trans-Pecos: Marsh
 - Trans-Pecos: Mixed Desert Shrubland
 - Trans-Pecos: Riparian Barren
 - Trans-Pecos: Riparian Shrubland
 - Trans-Pecos: Riparian Woodland
 - Trans-Pecos: Salty Desert Grassland
 - Trans-Pecos: Salty Desert Scrub
 - Trans-Pecos: Sparse Creosotebush Scrub
 - Trans-Pecos: Succulent Desert Scrub
 - Urban High Intensity
 - Urban Low Intensity



Life's better outside.®

March 2018

Map compiled by the TPWD Wildlife Habitat Assessment Program. No claims are made to the accuracy of the data or to the suitability of the data to a particular use.

0 5 10 Miles



East: DigitalGlobe, GeoEye, Earthstar (Geo),
NAI, IGN, and the GIS User Community

Meaux, Lisa

From: Vickie Mclean <vickie.mclean@tceq.texas.gov>
Sent: Monday, February 05, 2018 9:49 AM
To: Meaux, Lisa
Cc: Vickie Mclean
Subject: Project 149604

TCEQ Region 7 does not conduct Environmental Assessments for this type of project.

Vickie McLean, Work Lead
Midland Region 7 TCEQ
432-570-1359



3901 E HIGHWAY 80, ODESSA, TEXAS 79761 | 432.498.4697 | WWW.TXDOT.GOV

February 1, 2018

Lisa Barko Meaux
Project Manager
POWER Engineers, Inc.
16825 Northchase Dr., Ste. 1200
Houston, TX 77060

Re: Proposed Bakersfield to Solstice 345-kV Transmission Line Project, Pecos County, Texas, POWER Engineers, Inc. Project No. 149604

Dear Ms. Barko Meaux:

The Odessa District of the Texas Department of Transportation (TxDOT) has completed its review of the proposed project information received on January 31, 2018 concerning the above transmission line project.

POWER Engineers, Inc. (POWER) should be aware that TxDOT right of way contains ecologically sensitive areas, labeled with "non mow area" signs in the field, on US 67 approximately 6 miles north of IH 10, and on SH 18 approximately 10 miles north of Fort Stockton. These areas should be avoided.

Due to lack of specific project information, the Odessa District can only speculate as to the additional potential environmental and land use issues and impacts within the broad corridor shown and, as such, no additional comments are offered. However, POWER should be advised of potential required coordination with other state, federal and local entities.

POWER should also be made aware that utility installation requests are required for accommodation of utility facilities on the state highway right of way (ROW). All requests must be submitted through the TxDOT Utility Installation Review (UIR) System found at <https://apps.dot.state.tx.us/apps/UIRPROv2/>.

Additionally, driveway/access permits are required for access connections to the state highway system. TxDOT Form 1058 - Permit to Construct Access Driveway Facilities on Highway Right of Way, coupled with the Commercial and Industrial Driveway Access Request Form shall be completed and submitted to TxDOT for consideration of each proposed access/driveway location.

Thank you for affording TxDOT the opportunity to comment on this proposed project. If you have any questions or require further assistance, please contact me at (432) 498-4772 or robert.ornelas@txdot.gov.

Sincerely,

Robert Ornelas, P.E.
Director of Transportation
Planning and Development
Odessa District

OUR VALUES: People • Accountability • Trust • Honesty

OUR MISSION: Through collaboration and leadership, we deliver a safe, reliable, and integrated transportation system that enables the movement of people and goods.

An Equal Opportunity Employer

Meaux, Lisa

From: Becki Perkins <Becki.Perkins@txdot.gov>
Sent: Monday, March 05, 2018 3:39 PM
To: Meaux, Lisa
Subject: Transmission Line

Hello Ms. Meaux,

I am the environmental specialist for the San Angelo TxDOT district. I am writing in response to your letter regarding the mountain home transmission project. Kimble county is in our district, but I don't know of any protected resources out that way that you wouldn't find on the IPaC list or the Texas Parks and Wildlife species list. We haven't surveyed the portion of Kimble county in your project area much, so I can't speak to the historical or archeological resources. Please let me know if you have any further questions.

Best regards,
Becki Perkins

Environmental Specialist
Texas Department of Transportation
San Angelo District
Becki.perkins@txdot.gov
(325) 947-9261



TEXAS HISTORICAL COMMISSION

real places telling real stories

February 12, 2018

Lisa Barko Meaux
Power Engineers
16825 Northchase Drive, Suite 1200
Houston, Texas 77060

Re: Project review under the National Historic Preservation Act and the Antiquities Code of Texas:
Proposed Bakersfield to Solstice 345-kV Transmission Line, Pecos County (Public Utilities Commission
and LCRA; Track # 201806392)

Dear Ms. Barko Meaux:

Thank you for your correspondence describing the above referenced project. This letter serves as comment on the proposed undertaking from the State Historic Preservation Officer, the Executive Director of the Texas Historical Commission.

The review staff, led by David Camarena Garcés, has examined our records. After reviewing the documentation and our maps, there are numerous previously recorded archeological sites recorded within the Area of Potential Effects. Much of the area, however, has never been surveyed by a professional archeologist and is likely to contain additional historic and archeological resources. The general area of the APE is located on a landform that has moderate to high probability of containing cultural resources. Therefore, once the transmission line route has been selected, the project area will need to be surveyed by a professional archeologist prior to initiating any ground disturbance in order to demonstrate a good faith effort to identify historic properties that may be adversely affected by these activities as defined in 36 CFR 800. We recommend consulting with a professional archeologist early in the project process to perform a records search in order to avoid previously recorded archeological sites.

This cultural resource survey should include a pedestrian survey that conforms to the "Archeological Survey Standards for Texas" (available online at: <http://www.thc.state.tx.us/project-review/statutes-regulations-rules>). If the survey is being performed on public land or within a public easement your contract archeologist must obtain an Antiquities Permit from our office before any investigations are undertaken. An Antiquities Permit can be issued as soon as we have a completed permit application. A report of the investigations should be produced in conformance with the Secretary of the Interior's Guidelines for Archaeology and Historic Preservation, and submitted to this office for review.

Thank you for your cooperation in this federal review process, and for your efforts to preserve the irreplaceable heritage of Texas. **If you have any questions concerning our review or if we can be of further assistance, please contact David Camarena Garcés at 512/463-6252 or david.camarena@thc.state.tx.us.**

Sincerely,



for
Mark Wolfe, State Historic Preservation Officer





TEXAS GENERAL LAND OFFICE
GEORGE P. BUSH, COMMISSIONER

February 2, 2018

Lisa Barko Meaux
Power Engineers, Inc.
16825 Northchase Drive, Suite 1200
Houston, TX 77060-6012

Re: Proposed Bakersfield to Solstice 345-kV Transmission Line Project
Pecos County, Texas
POWER Engineers, Inc. Project No. 149604

Dear Ms. Meaux:

On behalf of Commissioner Bush, I would like to thank you for your letter concerning the above-referenced project.

Using your map depicting the project's study area, it does not appear that the General Land Office will have any environmental issues or land use constraints at this time.

When a final route for this proposed project has been determined, please contact me and we can assess the route to determine if the project will cross any streambeds or Permanent School Fund (PSF) land that would require an easement from our agency.

In the interim, if you would like to speak to me further on this project, I can be reached by email at glenn.rosenbaum@glo.texas.gov or by phone at (512) 463-8180.

Again, thank you for your inquiry.

Sincerely,

Glenn Rosenbaum
Manager, Right-of-Way Department
Leasing Operations

Meaux, Lisa

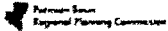
From: Virginia Belew <virginia.belew@pbrpc.org>
Sent: Thursday, March 01, 2018 10:35 AM
To: Meaux, Lisa
Subject: PBRPC Regional Review- Proposed Pecos County, TX, Transmission Line Project
Attachments: Regional Review and Comment. Power Engineers.Proposed Pecos County, TX.Transmission Line Project.022018.pdf

Attached you will find a letter in response to your request for a Permian Basin Regional Planning Commission regional review, regarding the Pecos County transmission line project proposed by Power Engineers.

Please contact me if I can be of further assistance.

Virginia Belew

Regional Services Director
PERMIAN BASIN REGIONAL PLANNING COMMISSION
POB 60660, Midland, TX 79711
(432) 563-1061 | (432) 563-1728 – Fax
<http://www.pbrpc.org>



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Permian Basin Regional Planning Commission

P.O. BOX 80660 • 2910 LAFORCE BOULEVARD • MIDLAND, TEXAS 79711-0660 • (432) 563-1061 • FAX (432) 563-1728

TERRI MOORE
Executive Director

February 22, 2018

Ms. Lisa Barko Meaux, Project Manager
Power Engineers, Inc.
16825 Northchase Dr, Suite 1200
Houston, TX 77060

RE: Intergovernmental Review, Proposed Bakersfield to Solstice 345-kV Transmission Line Project,
Pecos County Texas

Dear Ms Meaux:

Thank you for your letter and detailed map of the proposed project line for a transmission line in the Pecos County area.

This office has reviewed the information provided, and hereby offers no comment regarding land use or other environmental concerns. The PBRPC supports the importance of your office in notifying the chief elected officials representing the affected area as follows.

County Judge Joe Shuster, 103 W. Callaghan, Fort Stockton, TX 432-336-2792
Mayor Chris Alexander, POB 1000, Fort Stockton, TX 432-336-9300

The PBRPC supports the development of the utility and energy infrastructure of the Permian Basin and wishes Power Engineers complete success. Please let me know if I may be of service to your office.

Thank you again for you your letter and information provided.

Sincerely,

Virginia Belew
Regional Services Director

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Appendix B
Public Involvement

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INDEX TO APPENDIX B

Public Involvement Documents

Open House Newspaper Notice

Open House Notice Mailed to Public Generators

Open House Notice Mailed to Utilities

Open House Notice Mailed to ISDs

Open House Notice Mailed to Officials

Open House Notice Mailed to Landowners

Open House Questionnaire

Open House Map

Open House Frequently Asked Questions Handout

Open House LCRA TSC and POWER Engineers, Inc. Exhibits
(not same size as poster size exhibits presented at open house)

OPEN HOUSE

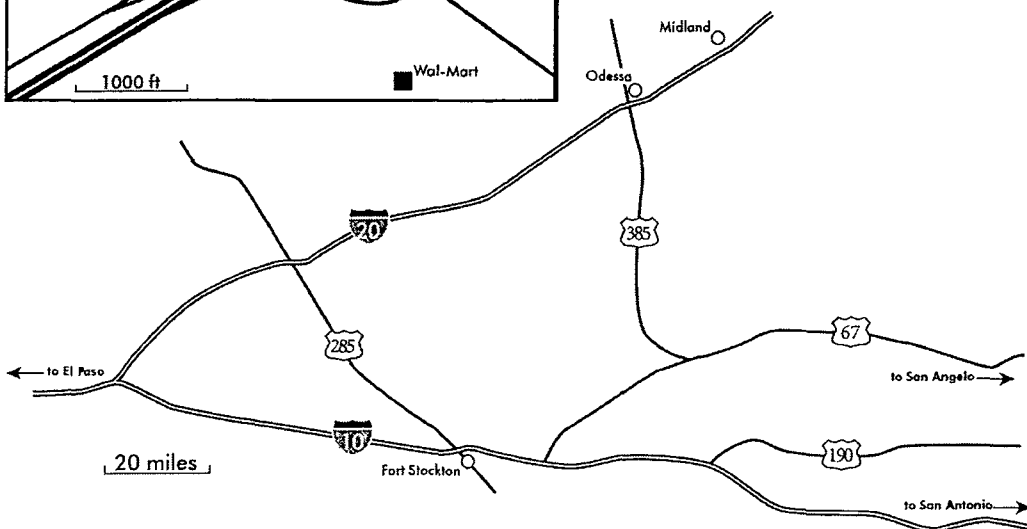
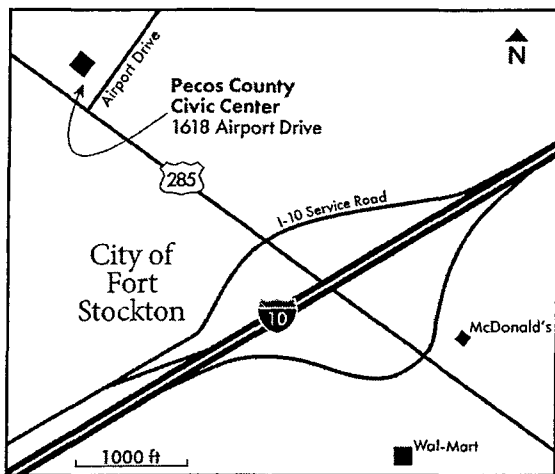
New Bakersfield to Solstice 345-kilovolt Transmission Line Project

Thursday, July 12 | 5:30 – 8 p.m.

Join us at the Pecos County Civic Center
1618 Airport Drive, Fort Stockton, Texas 79735

LCRA Transmission Services Corporation and AEP Texas Inc. invite you to an open house to learn about a new electric transmission line proposed for Pecos County.

The open house will have a come-and-go format; no RSVP is needed. Attendees will have an opportunity to ask questions and provide comments regarding the project. Representatives and experts from LCRA TSC, AEP Texas and POWER Engineers, the consulting firm responsible for developing preliminary alternative transmission line routes, will be available to discuss specific aspects of the project.



**LCRA TRANSMISSION
SERVICES CORPORATION**



An **AEP** Company

If you have any questions, please visit our project website:
www.lcra.org/baksol or contact us at 512-578-2692, ext. 2692.

Bakersfield - Solstice_Public Generators

Organization	Formal Title	Prefix	Contact	Formal	Address 1	City	State	Zip
AEP	Wind Farm Operations Manager	Mr.	Jackie Oliver	Mr. Oliver	8135 East Highway 190	Iraan	TX	79744
NextEra Energy, Inc.	Manager, Business Management	Mr.	Hannes Grobler	Mr. Grobler	700 Universe Boulevard	Juno Beach	FL	33408
Sherbino I Wind Farm LLC; c/o BP Wind Energy North America Inc.	Asset Manager	Mr.	James Holly	Mr. Holly	700 Louisiana Street, 33rd Floor	Houston	TX	77002
East Pecos Solar, LLC; c/o First Solar	Supervisor, MOC	Mr.	Brian Penner	Mr. Penner	350 West Washington Street	Tempe	AZ	85281
Barrilla Solar c/o First Solar	Director, Project Management	Ms.	Kathryn Arbeit	Ms. Arbeit	135 Main Street, 6th Floor	San Francisco	CA	94105
BHE Renewables, LLC		Mr.	Joe Brannon	Mr. Brannon	1850 N. Central Ave. Suite 1025	Phoenix	AZ	85004
Recurrent Energy Development Holdings, LLC	Director, Asset Management	Mr.	Andrew Griffiths	Mr. Griffiths	300 California Street, 7th Floor	San Francisco	CA	94104
BHE Renewables, LLC	Project Manager	Mr.	Steve Wotruba	Mr. Wotruba	1850 N. Central Ave Suite 1025	Phoenix	AZ	85004
Buckthorn Westex, LLC	Director, Project Development	Mr.	Scott Pryor	Mr. Pryor	700 Lavaca Street, Suite 1430	Austin	TX	78701
Duke Energy Renewables Solar, LLC	Director, System Interconnection Services	Mr.	Graham Furlong	Mr. Furlong	550 South Caldwell Street, Mail Drop NAS06	Charlotte	NC	28202
Midway Solar LLC; c/o Hanwha Q Cells USA Corp.	Director, Interconnection and Land Develo	Mr.	Brison R. Ellinghaus	Mr. Ellinghaus	300 Spectrum Center Drive, Suite 1250	Irvine	CA	92618

Bakersfield - Solstice_Utillities

Organization	Formal Title	Prefix	Contact	Formal	Address 1	City	State	Zip
Rio Grande Electric Co-Op	CEO	Mr	Roger Andrade	Mr. Andrade	778 E US Hwy 90	Bracketville	TX	78832
Texas New Mexico Power Co	President	Mr.	Neal Walker	Mr. Walker	577 N Garden Ridge Blvd.	Lewisville	TX	75067
City of Fort Stockton Utilities	Public Works Director	Mr.	Aaron Ramos	Mr. Ramos	121 W. 2nd Street	Fort Stockton	TX	79735
AEP Texas Inc.	President & COO	Ms.	Judith Talavera	Ms. Talavera	539 North Carancahua	Corpus Christi	TX	78401
Southwest Texas Electric Cooperative	General Manager	Mr.	William Whitten	Mr. Whitten	P.O. Box 677	El Dorado	TX	76936
South Texas Electric Cooperative	General Manager	Mr.	Mike Kezar	Mr. Kezar	P O. Box 119	Nursery	TX	77976
Oncor	CEO	Mr.	Thomas Yamin	Mr. Yamin	1616 Woodall Rogers Fwy, 6B - 005	Dallas	TX	75202

Bakersfield - Solstice_ISDs

Organization	Formal Title	Prefix	Contact	Formal	Address 1	City	State	Zip
Fort Stockton ISD	President	Mr	Billy Espino	Mr. Espino	1500 W 18th	Fort Stockton	TX	79735
Fort Stockton ISD	Vice President	Mr.	Flo Garcia III	Mr. Garcia	101 West Division Street	Fort Stockton	TX	79735
Fort Stockton ISD	Secretary	Mr.	Freddie Martinez	Mr. Martinez	4123 North Orient	Fort Stockton	TX	79735
Fort Stockton ISD	Assistant Secretary	Mr.	Anastacio Dominguez	Mr. Dominguez	1608 N. Rio	Fort Stockton	TX	79735
Fort Stockton ISD	School Board Member	Ms.	Sandra Marquez	Ms. Marquez	101 West Division Street	Fort Stockton	TX	79735
Fort Stockton ISD	School Board Member	Mr.	Tom Ezell	Mr. Ezell	109 North Colpitts	Fort Stockton	TX	79735
Fort Stockton ISD	School Board Member	Mr.	Andy Rivera	Mr. Rivera	101 W. Division Street	Fort Stockton	TX	79735
Fort Stockton ISD	Superintendent	Mr.	Ralph Traynham	Mr. Traynham	101 West Division Street	Fort Stockton	TX	79735
Fort Stockton ISD	Asslstant Superintendent	Ms	Paula Traynham	Ms. Traynham	101 West Division Street	Fort Stockton	TX	79735
Buena Vista ISD	President	Mr.	Cruz Gomez	Mr. Gomez	404 West Highway 11	Imperial	TX	79743
Buena Vista ISD	Vice President	Ms.	Veronica Mandujano	Ms. Mandujano	404 West Highway 11	Imperial	TX	79743
Buena Vista ISD	Secretary	Mr.	Cody Alford	Mr. Alford	404 West Highway 11	Imperial	TX	79743
Buena Vista ISD	School Board Member	Mr.	Jacob Heritage	Mr. Heritage	404 West Highway 11	Imperial	TX	79743
Buena Vista ISD	School Board Member	Mr.	Paul Bruce Ivey	Mr Ivey	404 West Highway 11	Imperial	TX	79743
Buena Vista ISD	School Board Member	Mr.	Roger Tarango	Mr Tarango	404 West Highway 11	Imperial	TX	79743
Buena Vista ISD	School Board Member	Mr	Eric Gomez	Mr. Gomez	404 West Highway 11	Imperial	TX	79743
Buena Vista ISD	Superintendent	Mr.	Mark Dominguez	Mr. Dominguez	404 West Highway 11	Imperial	TX	79743
Iraan-Sheffield ISD	Superintendent	Mr	Michael Meek	Mr Meek	404 West Highway 11	Imperial	TX	79743
Iraan-Sheffield ISD	President	Ms.	Margaret G. Holmes	Ms Holmes	P O. Box 486	Iraan	TX	79744
Iraan-Sheffield ISD	Vice President	Mr	Steve Garlock	Mr. Garlock	P O. Box 486	Iraan	TX	79744
Iraan-Sheffield ISD	Secretary	Mr	Basiliso Ramirez	Mr Ramirez	P O. Box 486	Iraan	TX	79744
Iraan-Sheffield ISD	School Board Member	Mr	John Graham	Mr Graham	P O. Box 486	Iraan	TX	79744
Iraan-Sheffield ISD	School Board Member	Mr	Joe Sconiers	Mr Sconiers	P O. Box 486	Iraan	TX	79744
Iraan-Sheffield ISD	School Board Member	Mr	Tory Cox	Mr Cox	P.O. Box 486	Iraan	TX	79744
Iraan-Sheffield ISD	School Board Member	Mr.	Roy Burks	Mr. Burks	P.O. Box 486	Iraan	TX	79744

Bakersfield - Solstice_State Federal Officials

Organization	Prefix	Contact	Formal	Formal Title	Address1	City	State	Zip
Texas House of Representatives	The Honorable	Poncho Nevarez	Representative Nevarez	State Representative	P.O. Box 2910	Austin	TX	78768
Texas House of Representatives	The Honorable	Poncho Nevarez	Representative Nevarez	State Representative	1995 Williams St.	Eagle Pass	TX	78852
Texas Senate	The Honorable	Carlos I. Uresti	Senator Uresti	State Senator	P.O. Box 12068	Austin	TX	78711
Texas Senate	The Honorable	Carlos I. Uresti	Senator Uresti	State Senator	3315 Sidney Brooks Dr., Ste. 100	San Antonio	TX	78235
United States House of Representatives	The Honorable	Will Hurd	Representative Hurd	United States Representative	317 Cannon House Office Building	Washington	DC	20515
United States House of Representatives	The Honorable	Will Hurd	Representative Hurd	United States Representative	103 West Callaghan	Fort Stockton	TX	79735
United States Senate	The Honorable	John Cornyn	Senator Cornyn	United States Senator	517 Hart Senate Office Building	Washington	DC	20510
United States Senate	The Honorable	John Cornyn	Senator Cornyn	United States Senator	221 West Sixth Street, Suite 1530	Austin	TX	78701
United States Senate	The Honorable	Ted Cruz	Senator Cruz	United States Senator	404 Russell	Washington	DC	20510
United States Senate	The Honorable	Ted Cruz	Senator Cruz	United States Senator	300 East 8th Street, Suite 961	Austin	TX	78701
U S Department of Defense Siting Clearinghouse	Mr.	Ron Tickle	Mr. Tickle	Executive Director	3400 Defense Pentagon, Room 5C646	Washington	DC	20301-3400

Bakersfield - Solstice_Public Officials

Organization	Formal Title	Prefix	Contact	Formal	Address 1	City	State	Zip
Pecos County	County Judge	The Honorable	Joe Shuster	Judge Shuster	103 W. Callaghan	Fort Stockton	TX	79735
Pecos County	Commissioner Precinct 1	The Honorable	Tom Chapman	Commissioner Chapman	P O Box 1624	Fort Stockton	TX	79735
Pecos County	Commissioner Precinct 2	The Honorable	Lupe Dominguez	Commissioner Dominguez	P.O. Box 220	Fort Stockton	TX	79735
Pecos County	Commissioner Precinct 3	The Honorable	Mickey Jack Perry	Commissioner Perry	P.O. Box 456	Iraan	TX	79744
Pecos County	Commissioner Precinct 4	The Honorable	Santiago Cantu, Jr.	Commissioner Cantu	P.O. Box 10	Fort Stockton	TX	79735
Pecos County Chamber of Commerce	President	Ms	Jeanette Milam	Ms Milam	1000 Railroad Avenue	Fort Stockton	TX	79735
Pecos County Chamber of Commerce	Executive Director	Ms.	Arna McCorkle	Ms. Corkle	1000 Railroad Avenue	Fort Stockton	TX	79735
City of Fort Stockton	Mayor	The Honorable	Chris Alexander	Mayor Alexander	121 W. 2nd Street	Fort Stockton	TX	79735
City of Fort Stockton	City Councilwoman	The Honorable	Pam Palileo	Council Member Palileo	121 W. 2nd Street	Fort Stockton	TX	79735
City of Fort Stockton	City Councilman	The Honorable	Ruben Falcon	Council Member Falcon	121 W 2nd Street	Fort Stockton	TX	79735
City of Fort Stockton	City Councilman	The Honorable	Dino Ramirez	Council Member Ramirez	121 W 2nd Street	Fort Stockton	TX	79735
City of Fort Stockton	City Councilman	The Honorable	Mike Ureta	Council Member Ureta	121 W. 2nd Street	Fort Stockton	TX	79735
City of Fort Stockton	City Councilman	The Honorable	James Warnock	Council Member Warnock	121 W. 2nd Street	Fort Stockton	TX	79735
City of Fort Stockton	City Manager	Mr.	Frank Rodriguez III	Mr. Rodriguez	121 W. 2nd Street	Fort Stockton	TX	79735
City of Fort Stockton	Assistant City Manager	Ms.	Shera Lee Davis	Ms. Davis	121 W. 2nd Street	Fort Stockton	TX	79735
The Texas Office of Public Utility Counsel	Public Counsel	Ms.	Michelle Gregg	Ms. Gregg	1701 N. Congress Ave., Suite 9-180	Austin	TX	78711

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June 22, 2018

[Prefix] [Contact]
[Address]
[City], [State] [Zip]

Re: Bakersfield to Solstice 345-kV Transmission Line Project, Pecos County, Texas

Dear [Formal]:

You are invited to attend an open house on July 12, 2018, hosted by LCRA Transmission Services Corporation (LCRA TSC) and AEP Texas Inc. (AEP Texas) to learn more about the Bakersfield to Solstice 345-kV Transmission Line Project being planned for your area.

As you may recall, the transmission utilities are proposing to build and operate a new double-circuit 345-kilovolt (kV) electric transmission line in Pecos County due to increasing generation interconnection requests and growth in electrical demand by the oil and gas industry in the Far West Texas area. The new transmission line will connect AEP Texas' existing Solstice Substation to LCRA TSC's existing Bakersfield Substation in order to strengthen the ability of the electric grid to reliably deliver electricity to oil and gas production and processing in the Far West Texas area along with other expanding commercial and residential needs. The proposed transmission line will also provide additional transmission capacity for renewable power generation resources in Pecos County and the surrounding area. LCRA TSC will construct, own and operate the eastern half of the transmission line and AEP Texas will construct, own and operate the western half of the transmission line.

The open house on Thursday, July 12, will be at the Pecos County Civic Center, 1618 Airport Drive in Fort Stockton, from 5:30 to 8 p.m. Public input is important when evaluating locations for new transmission facilities and assessing the project's impacts. The open house will have an informal format consisting of staffed information stations addressing specific aspects of the project. There will not be a formal presentation. Instead, visitors are encouraged to "come and go" any time between 5:30 to 8 p.m. and review each station at their own pace and ask questions. Maps with greater detail and additional project information will be available. Questionnaires will be provided to landowners for their input, comments and preferences.

The general public and landowners who are potentially affected are people listed on the current county tax rolls as owners of land within 500 feet of the centerline of proposed preliminary transmission line routing segments. The location of the project study area along with routing segments that are currently being considered are shown on the enclosed map.

Not all of the segments on the map will be constructed. Multiple combinations of these segments will be included in the transmission utilities' request of the Public Utility Commission of Texas (PUC) to amend their Certificates of Convenience and Necessity for this project. The PUC will ultimately determine a single, final route for construction.

The enclosed Frequently Asked Questions handout should answer additional questions you may have about the project. We encourage you to attend the open house, however, if you are unavailable and need further information about the proposed project or open house please call 512-578-2692 or send an email to baksol@lcra.org and one of the regulatory case managers will be in contact with you.

Sincerely,

Sonya Strambler

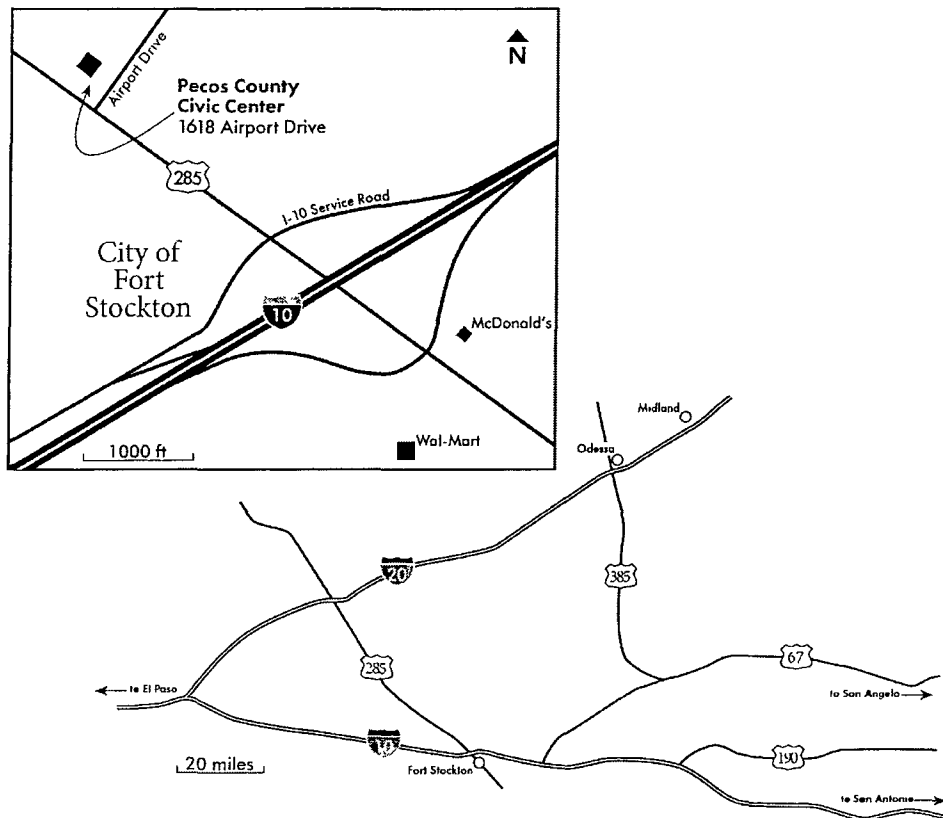
Sonya Strambler
Regulatory Case Manager
Lower Colorado River Authority

Randal E. Roper

Randal E. Roper
Regulatory Case Manager
AEP Texas

Enclosures (2)

Open House Details
Thursday, July 12, 2018, 5:30 - 8 p.m.
Pecos County Civic Center
1618 Airport Dr., Fort Stockton, TX 79735
Come-and-go format • No formal presentation





June 25, 2018

[Prefix] [Contact]
[Address]
[City], [State] [Zip]

Re: Bakersfield to Solstice 345-kV Transmission Line Project, Pecos County, Texas

Property ID#: [Appraisal District ID Number]

Dear Landowner:

You are invited to attend an open house on July 12, 2018 hosted by LCRA Transmission Services Corporation (LCRA TSC) and AEP Texas Inc. (AEP Texas) to learn more about the Bakersfield to Solstice 345-kV Transmission Line Project being planned in Pecos County, Texas.

The transmission utilities are proposing to build and operate a new double-circuit 345-kilovolt (kV) electric transmission line in Pecos County due to increasing generation interconnection requests and growth in electrical demand by the oil and gas industry in the Far West Texas area. The new transmission line will connect AEP Texas' existing Solstice Substation to LCRA TSC's existing Bakersfield Substation in order to strengthen the ability of the electric grid to reliably deliver electricity to oil and gas production and processing in the Far West Texas area along with other expanding commercial and residential needs. The proposed transmission line will also provide additional transmission capacity for renewable power generation resources in Pecos County and the surrounding area. LCRA TSC will construct, own and operate the eastern half of the transmission line and AEP Texas will construct, own and operate the western half of the transmission line.

The open house on Thursday, July 12, will be at the Pecos County Civic Center, 1618 Airport Drive in Fort Stockton, from 5:30 to 8 p.m. Public input is important when evaluating locations for new transmission facilities and assessing the project's impacts. The open house will have an informal format consisting of staffed information stations addressing specific aspects of the project. There will not be a formal presentation. Instead, visitors are encouraged to "come and go" any time between 5:30 to 8 p.m. and review each station at their own pace and ask questions. Maps with greater detail and additional project information will be available. Questionnaires will be provided to landowners for their input, comments and preferences.

You are receiving this notice because your property has been identified as being crossed by, or within close proximity to preliminary alternative transmission line routing segments that are currently being considered for the project. (Landowners who are potentially affected are people listed on the current county tax rolls as owners of land within 500 feet of the centerline of proposed preliminary transmission line routing segments.) The location of the project study area along with routing segments that are currently being considered are shown on the enclosed map.

Not all of the segments on the map will be constructed. Multiple combinations of these segments will be included in the transmission utilities' request of the Public Utility Commission of Texas (PUC) to amend their Certificates of Convenience and Necessity for this project. The PUC will ultimately determine a single, final route for construction.

The enclosed Frequently Asked Questions handout should answer additional questions you may have about the project. We encourage you to attend the open house, however, if you are unavailable and need further information about the proposed project or open house please call 512-578-2692 or send an email to baksol@lcra.org (include your property ID#) and one of the regulatory case managers will be in contact with you.

Sincerely,

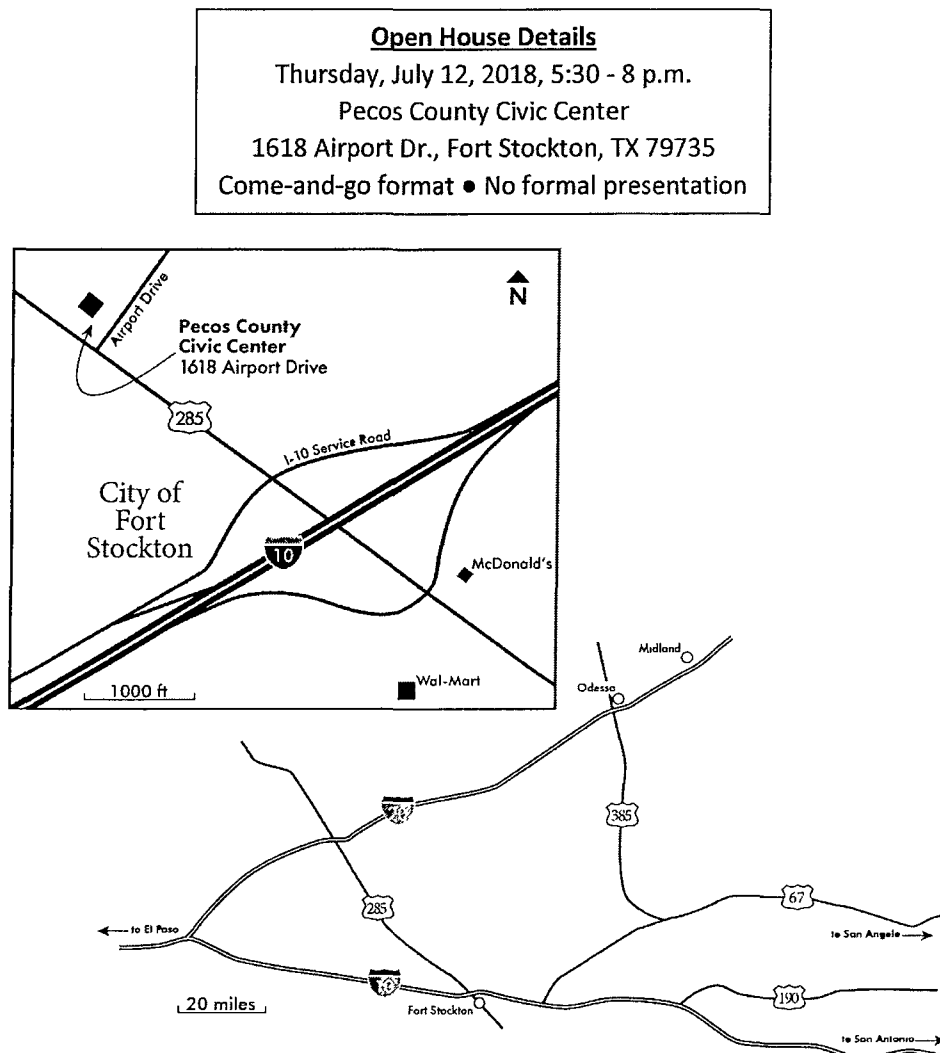
Sonya Strambler

Sonya Strambler
Regulatory Case Manager
Lower Colorado River Authority

Randal E. Roper

Randal E. Roper
Regulatory Case Manager
AEP Texas

Enclosures (2)



Open House Questionnaire
LCRA TSC Bakersfield to AEP Texas Solstice
345-kV Transmission Line Project

This questionnaire will help LCRA TSC and AEP Texas understand public interests and concerns about the proposed project. The information provided by you and other interested citizens is one element carefully considered in the transmission line route selection process. Once you have viewed the exhibits, please complete this questionnaire and leave it at the front greeting table box labeled Questionnaire, or send it to our routing consultant, POWER Engineers Inc., via mail, fax or email by July 26, 2018.

Lisa Barko Meaux
Project Manager
Environmental Department Manager
16825 Northchase Drive, Suite 1200
Houston, Texas 77060
Fax: 281-765-5599
Email: lisa.barko@powereng.com

1. Did you attend the open house for this project on July 12, 2018? Yes ☐ No ☐

2. Do you understand why this project is needed? Yes ☐ No ☐

3. In regards to the July 12 open house, rate each of the following:

	Strongly agree	Agree	Neutral	Disagree	Strongly disagree	N/A
I was given an opportunity to ask questions and receive answers.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Staff was knowledgeable about the meeting topic.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Staff listened to my issues and concerns.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

4. Were the exhibits and information helpful? Yes ☐ No ☐

5. How could we have improved this open house? Was there something that you did not understand?

6. Which of the following apply to your situation? (Check all that apply)

- ☐ A potential line route segment is on my land. List applicable route segment(s): _____
- ☐ A potential line route segment is near my home or business. List applicable route segment(s): _____
- ☐ An existing transmission line is on my land or near my home. List applicable route segment(s): _____
- ☐ Other. Please specify (e.g. I lease land and/or I am responsible for land improvements or upkeep near a potential line route segment). _____

7. The transmission utilities and their routing consultant take many environmental and land use features into consideration when identifying possible routes for electric transmission facilities. These features are on the Land Use and Environmental Constraints Map. Are those features accurately located? Yes ☐ No ☐ Don't Know ☐

If no, please list the corrections below and mark them on a map and meeting display boards.

Are you aware of any other features that are not shown on the Land Use and Environmental Constraints Map? Yes ☐ No ☐

If yes, please list them below and mark them on a map and meeting display boards.

8. Which route segment(s) do you prefer and why? Responding to this question does not constitute a "vote" for or against any proposed route segment(s).

9. Which route segment(s) do you not favor and why? Responding to this question does not constitute a "vote" for or against any proposed route segments(s).

10. Identifying a route and constructing transmission lines involves many considerations. Please rank these factors in the order of importance to you. Indicate the most important

factor with a 1, second most important with a 2, third most important with a 3, and so on.

- ___ Maintain reliable electric service
- ___ Use or parallel existing electric transmission line right of way where possible
- ___ Parallel other existing compatible right of way (e.g. roads, highways) where possible
- ___ Parallel property lines where possible
- ___ Maximize distance from residences and businesses
- ___ Maximize distance from historic sites or areas
- ___ Maximize distance from parks and recreational areas
- ___ Minimize visibility of the lines
- ___ Minimize environmental impacts
- ___ Other _____

If you wish to comment on the factors listed above, or add any factors that you think should be considered, please use the space below.

11. If the transmission line route is on your property, is there a specific location that you would prefer for the right of way of the line?

Yes ☐ No ☐

If yes, please describe the location below and mark it on the meeting display boards or use a map to show the location.

12. Is there any other information you would like the project team to know or take into consideration when evaluating the alternative locations for the new line?

13. Please provide your name and address below. This is optional.

Name: _____
Address: _____
Telephone: _____
Email: _____

Date: _____
City, State, Zip: _____

THANK YOU FOR YOUR COMMENTS!

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FREQUENTLY ASKED QUESTIONS

Bakersfield to Solstice 345-kV Transmission Line Project

Pecos County

— PROJECT OVERVIEW —

1. What is the Bakersfield to Solstice 345-kV Transmission Line Project?

LCRA Transmission Services Corporation and AEP Texas Inc. are jointly proposing to build and operate a new 345-kilovolt, double-circuit capable transmission line in Pecos County, Texas. The new line will connect LCRA TSC's existing Bakersfield Substation in the northeastern area of Pecos County to AEP Texas' existing Solstice Substation in the western area of Pecos County. LCRA TSC will construct, own and operate the eastern half of the transmission line (connecting to the Bakersfield Substation) and AEP Texas will construct, own and operate the western half of the transmission line (connecting to the Solstice Substation). If approved by the Public Utility Commission of Texas (PUC), the new transmission line will be about 70 miles long, depending on the route ultimately selected. The transmission line project will also involve expanding the existing Bakersfield and Solstice substations.

2. Why is this project needed?

This proposed project will support the increasing electricity demand in the area of Texas that is generally west of McCombs and Odessa, referred to here as the Far West Texas region. The need for this project is directly related to a significant present and forecasted increase in oil and gas production and processing. The electrical load demand from the oil and gas industries is expected to grow in excess of 1,000 megawatts in the area west of Odessa and northwest of Fort Stockton. The existing transmission system in the area is also strained by connected renewable power generation sources (such as wind and solar farms). New solar resources (enough to power more than one million homes) are expected to come online in Pecos and Upton counties by 2020. The Far West Texas region is projected to continue to experience this rapid growth in demand for electricity along with increased renewable generation development. As a result, the Electric Reliability Council of Texas (ERCOT), with the involvement of the transmission utilities in the Far West Texas region, conducted studies regarding the electric transmission infrastructure in the region. The result of the findings of these studies was a recommendation from the ERCOT Board of Directors that this proposed project was necessary to support the transmission of electricity and service of electrical load in the Far West Texas region to serve growing load and the increase mix of generation sources. In June 2018, the ERCOT Board of Directors designated the proposed project as critical to the reliability of the transmission network.

— PARTIES AND OVERSIGHT —

3. What is the PUC?

The Public Utility Commission of Texas, abbreviated as the PUC, is a state agency created by the Texas Legislature to provide statewide regulation of the rates and services of electric,

telecommunications and water utilities. LCRA TSC and AEP Texas will submit an application to amend their respective Certificate of Convenience and Necessity (CCN application) with the PUC requesting approval to construct, own and operate the project. The CCN application will include several geographically diverse alternative routes that comply with the routing factors established by the Legislature and the PUC. The PUC determines if the need for new transmission lines has been demonstrated and gives final approval of the transmission line route to be constructed.

4. Will the CCN application include designation of a preferred route for the project?

No. The CCN application submitted to the PUC for the proposed project will not identify a “preferred route” or a “recommended route” for the proposed project. However, in the CCN application, transmission utilities are required to identify the route they believe best addresses the requirements of the Public Utility Regulatory Act and PUC Substantive Rules. In compliance with the rules, LCRA TSC and AEP Texas will identify a route in the CCN application they believe best addresses the PUC requirements. Ultimately, if the proposed project is approved, the PUC will decide the final route for the transmission line.

5. What is ERCOT?

ERCOT is the organization entrusted with managing the generation and transmission of electricity to 24 million end-use electric consumers in Texas—representing about 90 percent of the state’s electric load. As the independent system operator for the region, ERCOT schedules power on an electric grid that connects more than 570 generation units with over 46,500 miles of transmission lines. ERCOT also has the responsibility to work with the transmission utilities and generators to ensure that the transmission infrastructure provides adequate and reliable service to meet the electrical load needs and generation delivery requirements.

6. What is a transmission utility?

LCRA TSC and AEP Texas are transmission utilities, meaning they own and operate electric transmission infrastructure interconnected with power generators and transmission customers such as municipalities, electric cooperatives and distribution utilities.

— INFRASTRUCTURE —

7. What will the proposed transmission line structures look like?

LCRA TSC and AEP Texas are proposing lattice steel towers for this project. Typical transmission structures supporting similar 345-kV lines are 130 to 180 feet above the ground. Typical span lengths between structures range from 900 to 1,500 feet. The application filed with the PUC for the project will include additional structure information and details.

8. Will the project be safe?

Yes. LCRA TSC and AEP Texas design and construct transmission lines with safety in mind. The proposed project will meet or exceed the specifications outlined in the National Electrical Safety Code and will comply with all applicable state and federal statutes and regulations.

— YOUR PROPERTY —

9. How will I be affected if the PUC-approved route crosses my land?

If the PUC approves the proposed project, LCRA TSC or AEP Texas (depending on the location) will work with each property owner affected by the route of the project approved by the PUC to purchase an easement to construct, operate and maintain the new electric transmission line. The easement agreement is a legal document that outlines the utilities' rights to use privately owned land for operation of the transmission line and associated utility purposes. The easement is subsequently recorded in the county deed records and available for public inspection. The landowner retains ownership of the property. Normal agricultural and recreational activities including farming, ranching, hunting and hiking may still take place within the easement area. An easement does not affect the mineral rights of the property, but will have some restriction on exploration activities specifically within the designated right of way.

10. How wide is the proposed easement for the transmission line?

For the proposed project, easements will typically be about 150 feet wide, or about 75 feet from the centerline of the route to the edge of the easement. The exact width of the easement will depend on the specific location.

11. How will the easement area be prepared for construction?

For safety and reliability of the transmission line, the transmission utilities will remove tall vegetation within the right of way in most cases. Low growing vegetation outside of paths for vehicles and the work zone are generally acceptable. The transmission utilities evaluate special clearing accommodations for environmentally and culturally sensitive areas. Gates will be installed in fencing crossing the right of way for access to the easement. The transmission utilities will pay for such gates.

12. What do LCRA TSC and AEP Texas pay for easements?

LCRA TSC and AEP Texas pay fair market value for transmission line easements. And both pay local property taxes on the transmission facilities, land and land rights they own.

— NEXT STEPS —

13. What are next steps for this project?

After the open house, LCRA TSC, AEP Texas and their routing consultant, POWER Engineers, will evaluate all public comments and conduct additional engineering and environmental analysis of the study area. The project team may add, eliminate or modify preliminary route segments based on the information received from public input. A set of primary alternative routes made up of the various segments will be identified and evaluated in detail by the project team. POWER will then prepare an Environmental Assessment Report (sometimes called an EA or routing study) for the transmission utilities describing the project, the study area and the data compiled during the project study phase. The EA will also present data associated with each segment and route of the proposed project. LCRA TSC and AEP Texas will then prepare the CCN application to amend their respective CCNs (that includes the EA) and submit it to the PUC.

14. When will the transmission utilities submit the CCN application to the PUC and start construction?

LCRA TSC and AEP Texas plan to file the application with the PUC in the last quarter of 2018. If approved, the utilities anticipate starting construction in early 2020 after the final design is completed and easements are obtained.

15. How will I know when LCRA TSC and AEP Texas file their CCN application?

Upon submitting their CCN application to the PUC, LCRA TSC and AEP Texas will mail letters to all landowners whose land is crossed by a potential route or who own a habitable structure within 500 feet of a proposed route. The notice will include information about participation in the PUC proceeding. Public notifications regarding the CCN application filing also will be published in an area newspaper. Updates can also be found online at lcra.org/baksol.

— ABOUT LCRA TSC —

LCRA Transmission Services Corporation is a nonprofit utility that provides safe, reliable and environmentally responsible electric transmission services in Texas. LCRA TSC's transmission lines and substations play a vital role in the transmission of electricity between power generation plants and local electric service providers. LCRA TSC owns or operates more than 5,200 miles of transmission lines, almost 400 substations and a System Operations Control Center. LCRA staff operates and maintains those facilities for LCRA TSC, which provides wholesale transmission services to customers in South, West and Central Texas.

— ABOUT AEP TEXAS —

AEP Texas Inc. is connected to and serves more than one million electric consumers in the deregulated Texas Marketplace. As an energy delivery wires company, AEP Texas delivers electricity safely and reliably to homes, businesses and industry across its nearly 100,000 square mile service territory in south and west Texas. AEP Texas uses the services of its affiliate AEP Transmission to build and operate its transmission network. AEP Transmission builds and operates transmission infrastructure for the AEP Operating Companies and other power companies that distribute it to businesses and homes. AEP Transmission now operates more than 400,000 miles of transmission network. For more information, visit www.aeptexas.com/info/facts and www.aep.com/about/transmission.

— CONTACT —

For more information about the
Bakersfield to Solstice 345-kV Transmission Line Project,
visit lcra.org/baksol or contact:

Project email address: baksol@lcra.org

Project voicemail box: 512-578-2692

WELCOME

*Bakersfield to Solstice
345-kV Transmission
Line Project*

OPEN HOUSE

ABOUT AEP TEXAS

AEP Texas Inc. is a division of American Electric Power, one of the largest electric utilities in the United States. AEP Texas uses the services of its affiliate AEP Transmission to build and operate its network of high voltage transmission lines that are vital to delivering electricity to customers.

- AEP Transmission now operates more than 40,000 miles of transmission network.
- AEP Texas delivers electricity safely and reliably to homes, businesses and industry across its nearly 100,000 square mile service territory in south and west Texas.
- AEP Texas is connected to and serves more than one million electric consumers in the deregulated Texas Marketplace.
- AEP Texas is regulated by the Public Utility Commission of Texas and pays sales and property taxes on facilities it owns.

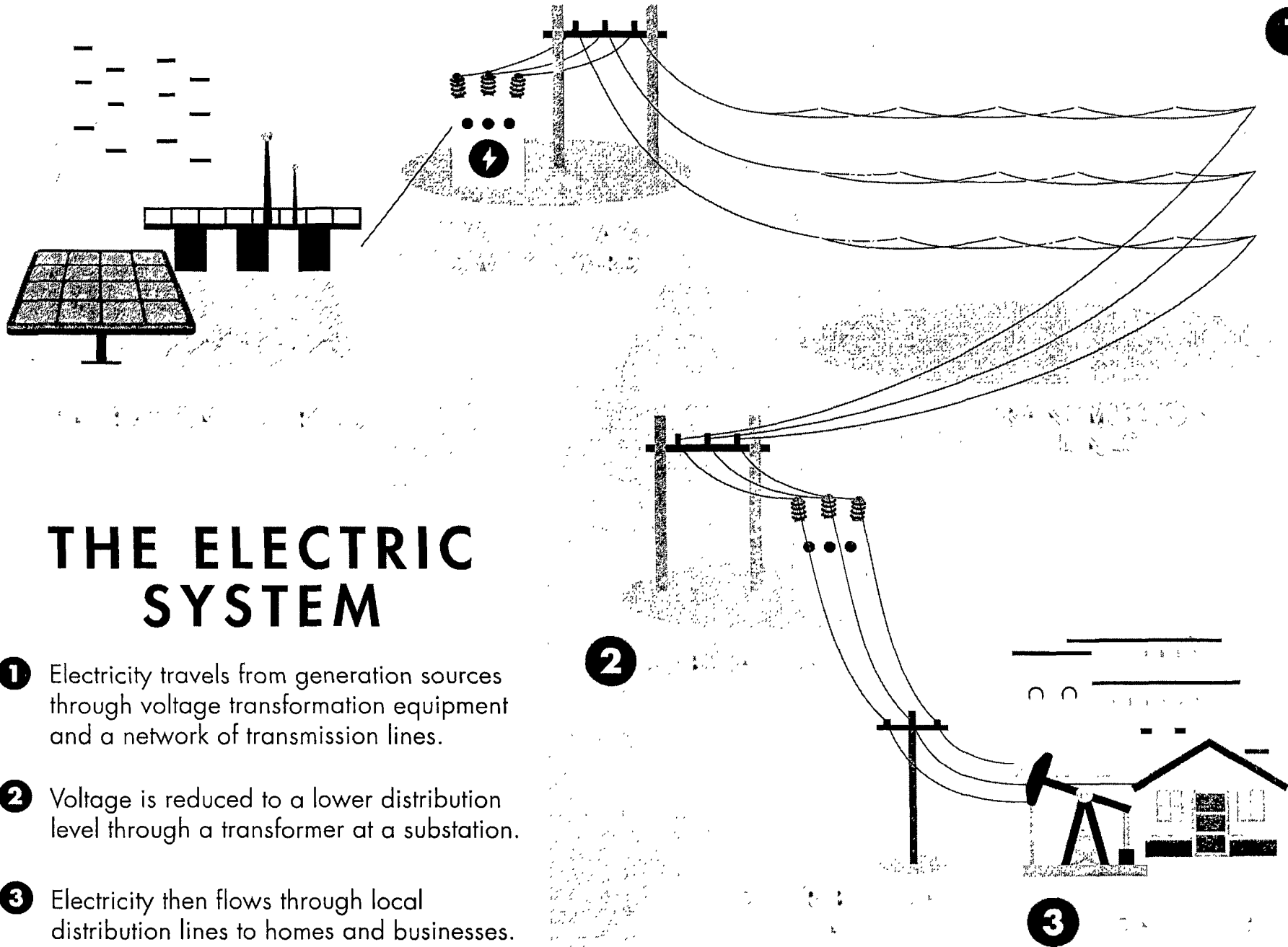


ABOUT LCRA TSC

LCRA Transmission Services Corporation (LCRA TSC) is a nonprofit utility that provides safe, reliable and environmentally responsible electric transmission services in Texas. LCRA TSC's transmission lines and substations play a vital role in the transmission of electricity between power generation plants and local electric service providers.

- LCRA TSC facilities include approximately 5,200 miles of transmission lines and nearly 400 substations.
- LCRA TSC facilities connect to electric generators and other transmission providers to transmit electricity to municipal utilities, electric cooperatives and other electric distribution service providers within Texas.
- The electricity LCRA TSC transmits is delivered by local distribution service providers to homes and businesses to meet the energy needs of Texas' growing population.
- LCRA TSC is regulated by the Public Utility Commission of Texas and pays sales and property taxes on facilities it owns.





THE ELECTRIC SYSTEM

- 1** Electricity travels from generation sources through voltage transformation equipment and a network of transmission lines.
- 2** Voltage is reduced to a lower distribution level through a transformer at a substation.
- 3** Electricity then flows through local distribution lines to homes and businesses.

BAKERSFIELD TO SOLSTICE 345-kV TRANSMISSION LINE PROJECT

LCRA TSC and AEP Texas are proposing to construct and operate a new double-circuit, 345-kV transmission line—approximately 70 miles in length—in Pecos County, and to expand the existing Bakersfield and Solstice substation facilities. The Electric Reliability Council of Texas conducted studies on the electric transmission infrastructure in West Texas and endorsed this transmission solution because it will serve the load growth and mix of generation sources. The ERCOT Board recently designated this project critical to reliability.

Why is this project needed?

- Current and planned oil and gas production and processing in the region require lots of electrical energy.
- The existing transmission system is near or beyond its capacity.
- The proposed project will provide West Texans and others with more reliable electrical energy.
- Current and planned renewable generation (such as wind and solar farms) require additional capacity to transmit the electricity produced.

MAINTAINING A RELIABLE ELECTRIC GRID

The Electric Reliability Council of Texas, more commonly known as ERCOT, manages the generation and transmission of electricity to 24 million consumers—representing 90 percent of the state’s electric load. This project was designated as critical by ERCOT because of significant load growth—current and forecasted—in the West Texas region.

- Projects designated as “critical” to the reliability of the ERCOT system are considered by the Public Utility Commission of Texas (PUC) on an expedited basis.
- Rather than a 12-month review process for a typical Certificate of Convenience and Necessity application review, the PUC will approve or deny a critical application in six months.

PUBLIC UTILITY COMMISSION OF TEXAS CERTIFICATION PROCESS FOR 345-kV TRANSMISSION LINE WITH CRITICAL DESIGNATION

Transmission Utilities Define Project

- Conduct research and review studies to determine need.
- Identify needed facilities and end points of the project.

Transmission Utilities Conduct Environmental Assessment and Routing Analysis

- Establish study area based on project definition.
- Gather data about study area and map environmental and land use constraints in study area.
- Determine preliminary transmission line segments.
- **Hold open house to gather public input.** ←
- Analyze data and feedback from the public to develop primary transmission line routes, including multiple alternatives.
- Prepare an Environmental Assessment report.

Transmission Utilities Apply for CCN Amendments

- Submit application to the Public Utility Commission of Texas (PUC) to amend Certificate of Convenience and Necessity (CCN).
- Send notices to landowners whose properties may be crossed or who own a habitable structure within 500 feet of route alternatives (also referred to as the "notification corridor") at the time CCN application is filed.
- Send notices to municipalities and electric utilities within five miles of the project and to local government entities where the project will potentially be located.

Public Participation

- After the CCN application is filed, people who are potentially impacted by the project have an opportunity to participate in the application proceeding at the PUC by filing a request to participate (intervene).
- If no parties intervene in the proceeding, the PUC staff conducts a review and issues a recommendation to the PUC.
- If parties have intervened in the proceeding, testimony may be filed, an administrative hearing may be held, and an administrative law judge will prepare a recommendation to the PUC regarding the application.

PUC Decision

- Within six months of the CCN application filing, the PUC will approve or deny the application, or approve it with modifications.
- PUC approval directs the transmission utilities to build the new transmission line along the route selected by the PUC.

EASEMENT ACQUISITION PROCESS

LCRA TSC or AEP Texas will work with affected landowners to acquire an easement to construct, operate and maintain the new transmission line.

Transmission utility contacts landowners to arrange property access to conduct one or more of the following:

- Property survey
- Environmental/cultural resources survey
- Engineering site visits
- Geotechnical testing and soil boring

Property value is determined through an independent appraisal or available market data.

Transmission utility provides landowner with an offer letter, survey, appraisal/compensation summary and copy of the State's Landowner's Bill of Rights.

Transmission utility works with landowners to reach an agreement for acquisition of the necessary easement.

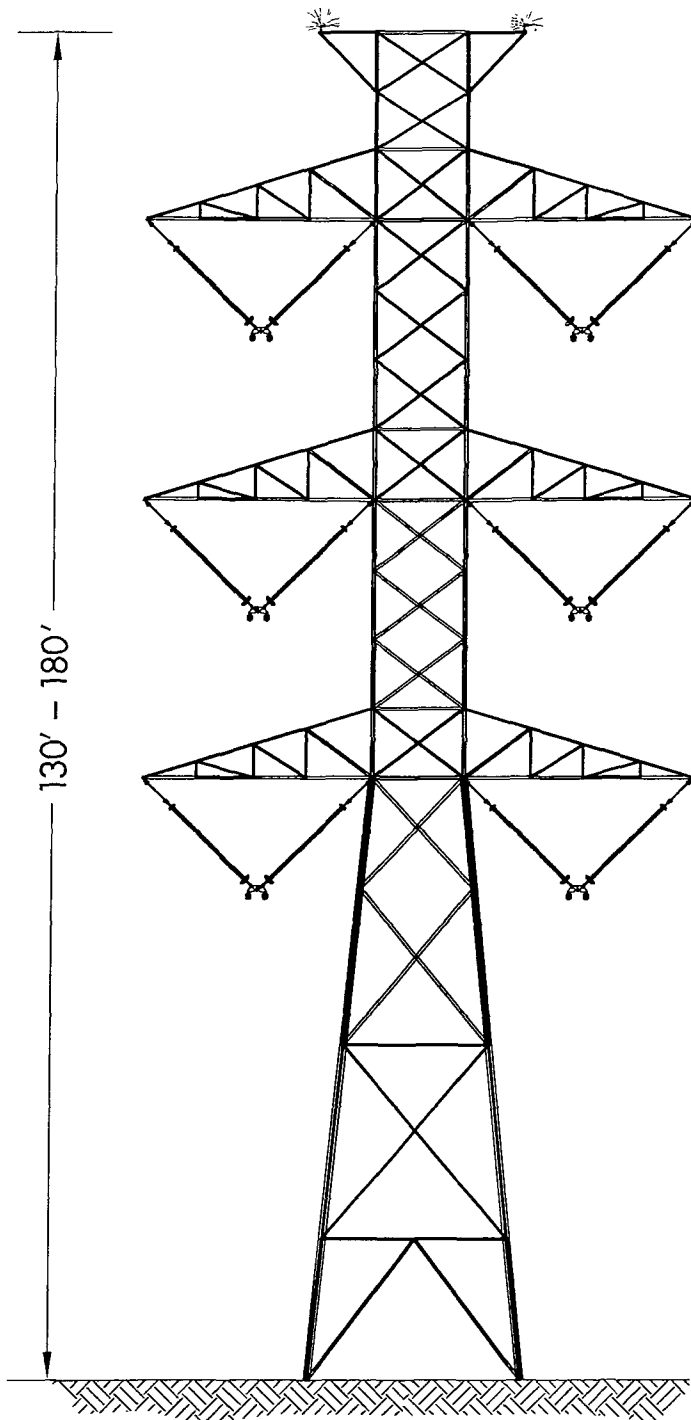
- **Agreement reached:**
Transmission utility pays landowner and enters into an easement agreement.
- **Agreement not reached:**
Transmission utility initiates eminent domain process as described in the Landowner's Bill of Rights.

TRANSMISSION RIGHTS OF WAY

A transmission line right of way is the strip of land used to construct, operate and maintain transmission infrastructure.

- LCRA TSC and AEP Texas purchase easements or other property rights and maintain these rights of way for safety and the long-term reliability of the transmission line.
- The transmission line is typically centered in the right of way, which can vary in width.
- The National Electrical Safety Code, American National Standard Institute and state law require minimum clearance distances between the transmission structures and wires and objects within the right of way.
- For new construction, rights of way are cleared of all vegetation. Over time, low-growing vegetation can generally be planted in the outer edges of the right of way, as long as the plants maintain safe clearances.
- Many land uses within the right of way generally don't interfere with the safe operation of the transmission line, including farming, grazing, gardening, hunting, biking and hiking, to name a few.
- There are restrictions though, so it is important to speak to LCRA TSC or AEP Texas about how to keep rights of way clear of encroachments that could threaten the safety or accessibility of the transmission line.

TYPICAL 345-kV LATTICE TOWER DESIGN

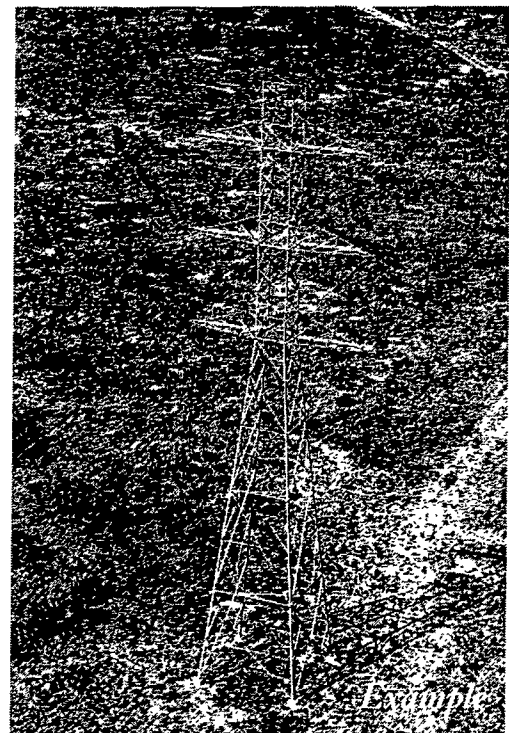


Typical Height
130 to 180 feet

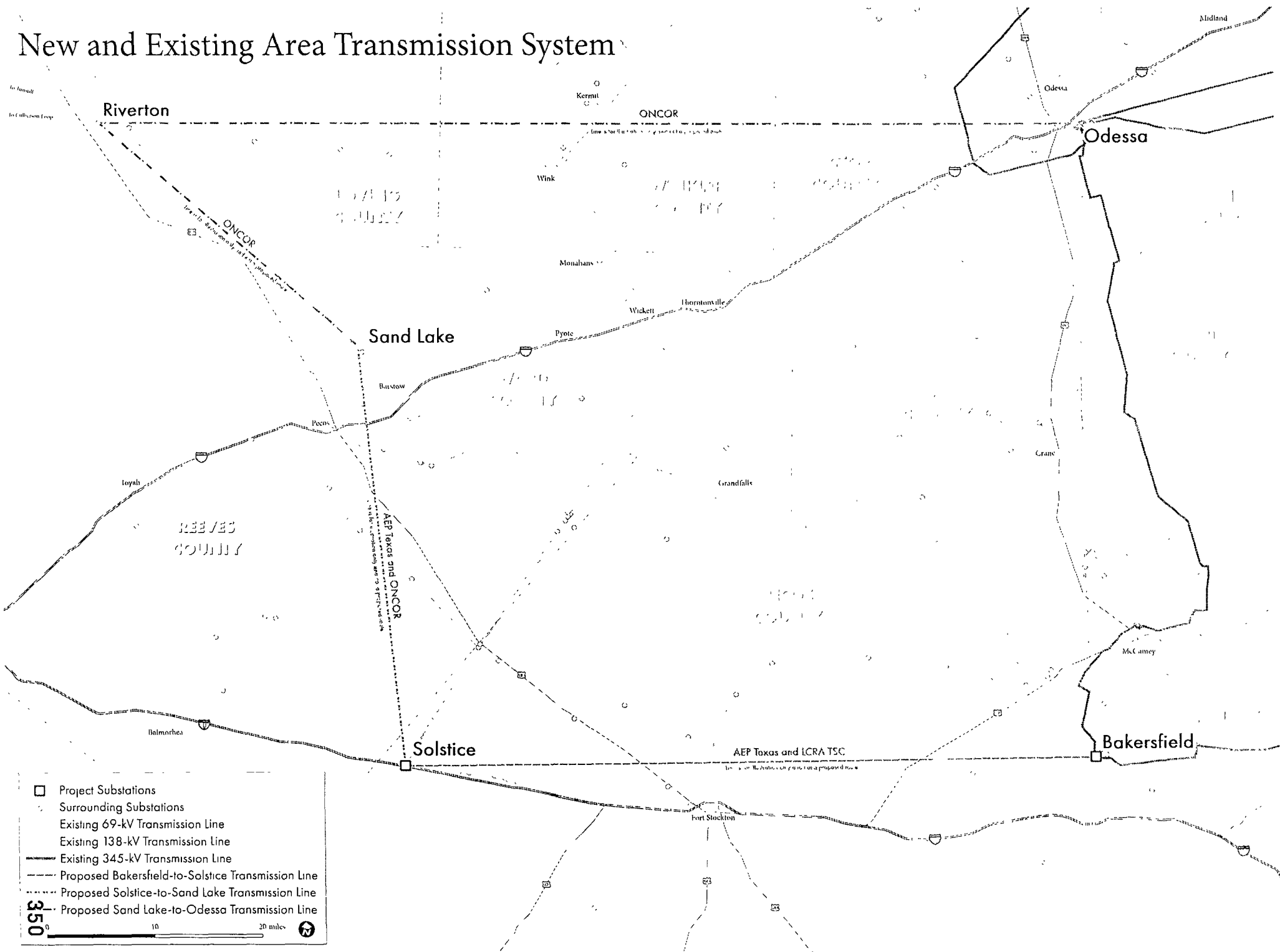
Typical Easement Width
150 feet

Typical Span Length
900 to 1,500 feet

Structure Material
Galvanized steel



New and Existing Area Transmission Systems



ENVIRONMENTAL AND LAND USE CONSIDERATIONS

These items will be quantified and mapped when developing possible routing alternatives:

Land use

- Length of primary alternative route (miles)
- Total number of habitable structures within 500 feet of right of way (ROW) centerline
- Length of ROW using existing transmission line ROW
- Length of ROW parallel and adjacent to existing transmission line ROW
- Length of ROW parallel and adjacent to existing 138-kV transmission line ROW
- Length of ROW parallel and adjacent to existing 69-kV transmission line ROW
- Length of ROW parallel to other existing ROW (roadways, railways, etc.)
- Length of ROW parallel and adjacent to apparent property lines
- Length of ROW across parks/recreational areas
- Number of additional parks/recreational areas within 1,000 feet of ROW centerline
- Length of ROW across University Lands
- Length of ROW across cropland
- Length of ROW across pasture/rangeland
- Length of ROW across land irrigated by traveling systems (rolling or pivot type)
- Length of ROW parallel and adjacent to existing natural gas pipelines (steel and six inch diameter or greater)
- Number of pipeline crossings
- Number of transmission line crossings
- Number of interstate, U.S. and state highway crossings
- Number of farm-to-market (FM) road crossings
- Number of cemeteries within 1,000 feet of the ROW centerline
- Number of FAA registered airports with at least one runway more than 3,200 feet in length located within 20,000 feet of ROW centerline
- Number of FAA registered airports having no runway more than 3,200 feet in length located within 10,000 feet of ROW centerline
- Number of private airstrips within 10,000 feet of the ROW centerline
- Number of heliports within 5,000 feet of the ROW centerline

ENVIRONMENTAL AND LAND USE CONSIDERATIONS

These items will be quantified and mapped when developing possible routing alternatives:

Land Use

- Number of commercial AM radio transmitters within 10,000 feet of the ROW centerline
- Number of FM radio transmitters, microwave towers and other electronic installations within 2,000 feet of ROW centerline

Aesthetics

- Estimated length of ROW within foreground visual zone of interstate, U.S. and state highways
- Estimated length of ROW within foreground visual zone of FM roads
- Estimated length of ROW within foreground visual zone of parks/recreational areas

Ecology

- Length of ROW across upland woodlands/brushlands
- Length of ROW across bottomland/riparian woodlands
- Length of ROW across National Wetlands Inventory mapped wetlands
- Length of ROW across known habitats of federally listed endangered or threatened species
- Length of ROW across open water (lakes, ponds)
- Number of stream crossings
- Number of river crossings
- Length of ROW parallel (within 100 feet) to streams or rivers
- Length of ROW across 100-year floodplains

Archeological

- Number of recorded cultural resource sites crossed by ROW
- Number of additional recorded cultural resource sites within 1,000 feet of ROW centerline
- Number of National Register of Historic Places (NRHP) listed properties crossed by ROW
- Number of additional NRHP listed properties within 1,000 feet of ROW centerline
- Length of ROW across areas of high archeological site potential

OUTREACH AND COORDINATION

LCRA TSC and AEP Texas seek input from the following:

Local Agencies/Governments/Organizations

City of Fort Stockton

City administrators
City council members
Mayor
Mayor pro tem
School district

Pecos County

Chamber of Commerce
County commissioners
County judge
Historical Commission
School districts

Utilities

AEP Texas Inc.
City of Fort Stockton Utilities
Oncor Electric Delivery Company LLC
Rio Grande Electric Cooperative
Southwest Texas Electric Cooperative
Texas-New Mexico Power

State and Regional Agencies/Government

Permian Basin Regional Planning Commission
Railroad Commission of Texas
Texas Commission on Environmental Quality
Texas Department of Transportation, Aviation Division
Texas Department of Transportation, Odessa District
Texas Department of Transportation, Environmental Affairs
Texas Department of Transportation, Planning and Programming

Texas General Land Office
Texas Historical Commission
Texas House of Representatives, Rep. Poncho Nevarez
Texas Parks and Wildlife Department
Texas Senate, District 19
Texas Water Development Board

Federal Agencies/Government

Federal Aviation Administration, Southwest Region
Federal Emergency Management Agency, Region 6
National Park Service
Natural Resources Conservation Service
U.S. Army Corps of Engineers, Albuquerque District
U.S. Department of Defense, Siting

U.S. Environmental Protection Agency, Region 6
U.S. Fish and Wildlife Service
U.S. House of Representatives, Rep. Will Hurd
U.S. Senate, Sen. John Cornyn
U.S. Senate, Sen. Ted Cruz

Appendix C

Habitable Structures and Other Land Use Features in the Vicinity of the Primary Alternative Routes

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Table 4-3 Habitable Structures and Other Land Use Features in the Vicinity of the Primary Alternative Route 1

Segment Combinations: A-B-E-F-M-R-W-X-Y			
Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
1	Single-family residence	226	E
2	Single-family residence	254	E
3	Single-family residence	469	E
4	Industrial	202	M
5	Industrial	193	M
301	Unidentified Communication Tower	257	B
303	Unidentified Communication Tower	692	R
305	WWC Texas RSA LLC (ASR 1291434)	1125	W
400	Girvin Cemetery	126	E
--	41PC761	--	B
--	41PC762	--	A
--	41PC824	--	R
--	41PC825	--	M

¹ Due to the potential horizontal inaccuracies of the aerial photography and data utilized, all habitable structures within 510' have been identified

² Distances to sensitive cultural resource sites are not provided for protection of the sites

Table 4-4 Habitable Structures and Other Land Use Features in the Vicinity of the Primary Alternative Route 2

Segment Combinations: A-C-G-I-K-O-X2-Z2-P-Q-W-X-Y			
Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
17	Single-family residence	472	P
18	Single-family residence	312	P
19	Single-family residence	327	P
20	Single-family residence	342	P
21	Single-family residence	386	P
101	Private Airstrip (1)	4832	G
103	Private Airstrip (3)	1119	Q
304	Unidentified Communication Tower	1411	Q
305	WWC Texas RSA LLC (ASR 1291434)	1125	W
--	41PC761	--	A
--	41PC762	--	A

¹ Due to the potential horizontal inaccuracies of the aerial photography and data utilized, all habitable structures within 510' have been identified.

² Distances to sensitive cultural resource sites are not provided for protection of the sites.

Table 4-5 Habitable Structures and Other Land Use Features in the Vicinity of the Primary Alternative Route 3

Segment Combinations: A-C-G-I-K-O-X2-Z2-R1-S1-W1-B3-G2-J2			
Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
6	Single-family residence	271	R1
7	Single-family residence	425	R1
8	Single-family residence	297	R1
9	Single-family residence	449	R1
10	Single-family residence	302	R1
11	Single-family residence	301	R1
12	Single-family residence	341	R1
13	Single-family residence	443	R1
14	Single-family residence	300	R1
15	Single-family residence	504	R1
16	Single-family residence	504	R1
100	Fort Stockton - Pecos County Airport	7412	R1
101	Private Airstrip (1)	4832	G
203	Interstate 10 Rest Area- West Bound	629	J2
306	WWC Texas RSA LLC (ASR 1243193)	368	W1
307	SBA Structures, LLC (ARS 1246765)	642	J2
--	41PC69	--	W1
--	41PC761	--	A
--	41PC762	--	A

¹ Due to the potential horizontal inaccuracies of the aerial photography and data utilized, all habitable structures within 510' have been identified.

² Distances to sensitive cultural resource sites are not provided for protection of the sites

Table 4-6 Habitable Structures and Other Land Use Features in the Vicinity of the Primary Alternative Route 4

Segment Combinations: A-C-G-I-K-L-M-R-W-X-Y			
Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
4	Industrial	202	M
5	Industrial	193	M
101	Private Airstrip (1)	4832	G
303	Unidentified Communication Tower	692	R
305	WWC Texas RSA LLC (ASR 1291434)	1125	W
--	41PC761	--	A
--	41PC762	--	A
--	41PC824	--	R
--	41PC825	--	M

¹ Due to the potential horizontal inaccuracies of the aerial photography and data utilized, all habitable structures within 510' have been identified

² Distances to sensitive cultural resource sites are not provided for protection of the sites.

Table 4-7 Habitable Structures and Other Land Use Features in the Vicinity of the Primary Alternative Route 5

Segment Combinations: A-B-E-J-K-O-X2-Z2-P-Q-W-X-Y			
Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
1	Single-family residence	226	E
2	Single-family residence	254	E
3	Single-family residence	469	E
17	Single-family residence	472	P
18	Single-family residence	312	P
19	Single-family residence	327	P
20	Single-family residence	342	P
21	Single-family residence	386	P
103	Private Airstrip (3)	1119	Q
301	Unidentified Communication Tower	257	B
304	Unidentified Communication Tower	1411	Q
305	WWC Texas RSA LLC (ASR 1291434)	1125	W
400	Girvin Cemetery	126	E
--	41PC761	--	B
--	41PC762	--	A

¹ Due to the potential horizontal inaccuracies of the aerial photography and data utilized, all habitable structures within 510' have been identified.

² Distances to sensitive cultural resource sites are not provided for protection of the sites

Table 4-8 Habitable Structures and Other Land Use Features in the Vicinity of the Primary Alternative Route 6

Segment Combinations: A-C-D-E-J-K-O-Y2-Z2-P-U-V-X-Y			
Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
1	Single-family residence	226	E
2	Single-family residence	254	E
3	Single-family residence	469	E
17	Single-family residence	472	P
18	Single-family residence	312	P
19	Single-family residence	327	P
20	Single-family residence	342	P
21	Single-family residence	386	P
22	Single-family residence	93	U
23	Single-family residence	189	U
24	Single-family residence	170	V
103	Private Airstrip (3)	4478	U
400	Girvin Cemetery	126	E
--	41PC761	--	A
--	41PC762	--	A

¹ Due to the potential horizontal inaccuracies of the aerial photography and data utilized, all habitable structures within 510' have been identified.

² Distances to sensitive cultural resource sites are not provided for protection of the sites.

Table 4-9 Habitable Structures and Other Land Use Features in the Vicinity of the Primary Alternative Route 7

Segment Combinations: A-B-E-J-K-O-Y2-Z2-P-U-X1-B3-G2-J2			
Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
1	Single-family residence	226	E
2	Single-family residence	254	E
3	Single-family residence	469	E
17	Single-family residence	472	P
18	Single-family residence	312	P
19	Single-family residence	327	P
20	Single-family residence	342	P
21	Single-family residence	386	P
22	Single-family residence	93	U
23	Single-family residence	189	U
103	Private Airstrip (3)	4478	U
203	Interstate 10 Rest Area- West Bound	629	J2
301	Unidentified Communication Tower	257	B
306	WWC Texas RSA LLC (ASR 1243193)	397	B3
307	SBA Structures, LLC (ARS 1246765)	642	J2
400	Girvin Cemetery	126	E
--	41PC761	--	B
--	41PC762	--	A

¹ Due to the potential horizontal inaccuracies of the aerial photography and data utilized, all habitable structures within 510' have been identified

² Distances to sensitive cultural resource sites are not provided for protection of the sites

**Table 4-10 Habitable Structures and Other Land Use Features in the Vicinity of the Primary
Alternative Route 8**

Segment Combinations: A-B-E-F-M-N-T-Y			
Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
1	Single-family residence	226	E
2	Single-family residence	254	E
3	Single-family residence	469	E
4	Industrial	202	M
5	Industrial	193	M
301	Unidentified Communication Tower	257	B
400	Girvin Cemetery	126	E
--	41PC761	--	B
--	41PC762	--	A
--	41PC825	--	M

¹ Due to the potential horizontal inaccuracies of the aerial photography and data utilized, all habitable structures within 510' have been identified.

² Distances to sensitive cultural resource sites are not provided for protection of the sites.

Table 4-11 Habitable Structures and Other Land Use Features in the Vicinity of the Primary Alternative Route 9

Segment Combinations: A-C-D-E-F-M-R-S-T-Y			
Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
1	Single-family residence	226	E
2	Single-family residence	254	E
3	Single-family residence	469	E
4	Industrial	202	M
5	Industrial	193	M
303	Unidentified Communication Tower	692	R
400	Girvin Cemetery	126	E
--	41PC761	--	A
--	41PC762	--	A
--	41PC824	--	R
--	41PC825	--	M

¹ Due to the potential horizontal inaccuracies of the aerial photography and data utilized, all habitable structures within 510' have been identified.

² Distances to sensitive cultural resource sites are not provided for protection of the sites.

Table 4-12 Habitable Structures and Other Land Use Features in the Vicinity of the Primary Alternative Route 10

Segment Combinations: Z-B1-C1-F1-H1-J1-M1-P1-Q1-S1-W1-B3-G2-J2			
Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
100	Fort Stockton - Pecos County Airport	19844	Q1
201	Interstate 10 Picnic Area	330	F1
202	Fourteen Mile Park	317	H1
203	Interstate 10 Rest Area- West Bound	629	J2
302	SBA Structures, LLC (ARS 1246767)	1253	F1
306	WWC Texas RSA LLC (ASR 1243193)	368	W1
307	SBA Structures, LLC (ARS 1246765)	642	J2
--	41PC15	--	B1
--	41PC16	--	B1
--	41PC17	--	B1
--	41PC18	--	F1
--	41PC19	--	F1
--	41PC20	--	F1
--	41PC615	--	B1
--	41PC616	--	B1
--	41PC69	--	W1
--	41PC761	--	Z
--	41PC762	--	Z
--	41PC79	--	B1
--	41PC835	--	J1
--	41PC837	--	J1
--	41PC838	--	J1

¹ Due to the potential horizontal inaccuracies of the aerial photography and data utilized, all habitable structures within 510' have been identified

² Distances to sensitive cultural resource sites are not provided for protection of the sites.

**Table 4-13 Habitable Structures and Other Land Use Features in the Vicinity of the Primary
Alternative Route 11**

Segment Combinations: A-C-G-I-K-O-X2-Z2-P-Q-S-T-Y			
Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
17	Single-family residence	472	P
18	Single-family residence	312	P
19	Single-family residence	327	P
20	Single-family residence	342	P
21	Single-family residence	386	P
101	Private Airstrip (1)	4832	G
103	Private Airstrip (3)	1119	Q
304	Unidentified Communication Tower	1411	Q
--	41PC761	--	A
--	41PC762	--	A

¹ Due to the potential horizontal inaccuracies of the aerial photography and data utilized, all habitable structures within 510' have been identified.

² Distances to sensitive cultural resource sites are not provided for protection of the sites.

**Table 4-14 Habitable Structures and Other Land Use Features in the Vicinity of the Primary
Alternative Route 12**

Segment Combinations: A-B-H-G1-H1-J1-M1-P1-Q1-S1-W1-B3-G2-J2			
Map Number	Structure or Feature	Approximate Distance from Route Centerline ¹ (feet)	Nearest Alternative Route Link ²
100	Fort Stockton - Pecos County Airport	19844	Q1
101	Private Airstrip (1)	2077	H
200	Roadside Park	196	G1
202	Fourteen Mile Park	317	H1
203	Interstate 10 Rest Area- West Bound	629	J2
301	Unidentified Communication Tower	257	B
306	WWC Texas RSA LLC (ASR 1243193)	368	W1
307	SBA Structures, LLC (ARS 1246765)	642	J2
--	41PC69	--	W1
--	41PC761	--	B
--	41PC762	--	A
--	41PC818	--	G1
--	41PC835	--	J1
--	41PC837	--	J1
--	41PC838	--	J1

¹ Due to the potential horizontal inaccuracies of the aerial photography and data utilized, all habitable structures within 510' have been identified

² Distances to sensitive cultural resource sites are not provided for protection of the sites.

**Table 4-15 Habitable Structures and Other Land Use Features in the Vicinity of the Primary
Alternative Route 13**

Segment Combinations: Z-A1-C1-F1-H1-J1-M1-P1-T1-C2-D2-E2-F2-Z1-G2-J2			
Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
201	Interstate 10 Picnic Area	330	F1
202	Fourteen Mile Park	317	H1
203	Interstate 10 Rest Area- West Bound	629	J2
302	SBA Structures, LLC (ARS 1246767)	1253	F1
307	SBA Structures, LLC (ARS 1246765)	642	J2
--	41PC18	--	F1
--	41PC19	--	F1
--	41PC20	--	F1
--	41PC616	--	F1
--	41PC761	--	Z
--	41PC762	--	Z
--	41PC763	--	A1
--	41PC765	--	A1
--	41PC766	--	A1
--	41PC835	--	J1
--	41PC837	--	J1
--	41PC838	--	J1

¹ Due to the potential horizontal inaccuracies of the aerial photography and data utilized, all habitable structures within 510' have been identified

² Distances to sensitive cultural resource sites are not provided for protection of the sites.

**Table 4-16 Habitable Structures and Other Land Use Features in the Vicinity of the Primary
Alternative Route 14**

Segment Combinations: A-C-G-G1-H1-J1-M1-P1-T1-C2-D2-K2-L2-I2-J2			
Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
25	Single-family residence	180	K2
26	Single-family residence	170	K2
101	Private Airstrip (1)	4832	G
200	Roadside Park	196	G1
202	Fourteen Mile Park	317	H1
203	Interstate 10 Rest Area- West Bound	629	J2
307	SBA Structures, LLC (ARS 1246765)	642	J2
--	41PC761	--	A
--	41PC762	--	A
--	41PC818	--	G1
--	41PC835	--	J1
--	41PC837	--	J1
--	41PC838	--	J1

¹ Due to the potential horizontal inaccuracies of the aerial photography and data utilized, all habitable structures within 510' have been identified

² Distances to sensitive cultural resource sites are not provided for protection of the sites.

**Table 4-17 Habitable Structures and Other Land Use Features in the Vicinity of the Primary
Alternative Route 15**

Segment Combinations: Z-B1-C1-F1-H1-J1-M1-P1-T1-C2-D2-K2-N2-O2-P2-Q2-R2			
Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
25	Single-family residence	180	K2
26	Single-family residence	170	K2
201	Interstate 10 Picnic Area	330	F1
202	Fourteen Mile Park	317	H1
204	Interstate 10 Rest Area- East Bound	276	Q2
302	SBA Structures, LLC (ARS 1246767)	1253	F1
307	SBA Structures, LLC (ARS 1246765)	1096	Q2
--	41PC15	--	B1
--	41PC16	--	B1
--	41PC17	--	B1
--	41PC18	--	F1
--	41PC19	--	F1
--	41PC20	--	F1
--	41PC615	--	B1
--	41PC616	--	B1
--	41PC761	--	Z
--	41PC762	--	Z
--	41PC79	--	B1
--	41PC835	--	J1
--	41PC837	--	J1
--	41PC838	--	J1

¹ Due to the potential horizontal inaccuracies of the aerial photography and data utilized, all habitable structures within 510' have been identified.

² Distances to sensitive cultural resource sites are not provided for protection of the sites.

**Table 4-18 Habitable Structures and Other Land Use Features in the Vicinity of the Primary
Alternative Route 16**

Segment Combinations: Z-A1-C1-F1-H1-J1-M1-P1-T1-C2-D2-K2-N2-O2-V2-W2-R2			
Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
25	Single-family residence	180	K2
26	Single-family residence	170	K2
201	Interstate 10 Picnic Area	330	F1
202	Fourteen Mile Park	317	H1
302	SBA Structures, LLC (ARS 1246767)	1253	F1
--	41PC18	--	F1
--	41PC19	--	F1
--	41PC20	--	F1
--	41PC616	--	F1
--	41PC761	--	Z
--	41PC762	--	Z
--	41PC763	--	A1
--	41PC765	--	A1
--	41PC766	--	A1
--	41PC835	--	J1
--	41PC837	--	J1
--	41PC838	--	J1

¹ Due to the potential horizontal inaccuracies of the aerial photography and data utilized, all habitable structures within 510' have been identified.

² Distances to sensitive cultural resource sites are not provided for protection of the sites

Table 4-19 Habitable Structures and Other Land Use Features in the Vicinity of the Primary Alternative Route 17

Segment Combinations: Z-A1-C1-F1-H1-I1-O-X2-Z2-P-U-V-X-Y			
Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
17	Single-family residence	472	P
18	Single-family residence	312	P
19	Single-family residence	327	P
20	Single-family residence	342	P
21	Single-family residence	386	P
22	Single-family residence	93	U
23	Single-family residence	189	U
24	Single-family residence	170	V
103	Private Airstrip (3)	4478	U
201	Interstate 10 Picnic Area	330	F1
202	Fourteen Mile Park	317	H1
302	SBA Structures, LLC (ARS 1246767)	1253	F1
--	41PC18	--	F1
--	41PC19	--	F1
--	41PC20	--	F1
--	41PC616	--	F1
--	41PC686	--	I1
--	41PC761	--	Z
--	41PC762	--	Z
--	41PC763	--	A1
--	41PC765	--	A1
--	41PC766	--	A1
--	41PC828	--	I1
--	41PC830	--	I1
--	41PC831	--	I1

¹ Due to the potential horizontal inaccuracies of the aerial photography and data utilized, all habitable structures within 510' have been identified.

² Distances to sensitive cultural resource sites are not provided for protection of the sites

**Table 4-20 Habitable Structures and Other Land Use Features in the Vicinity of the Primary
Alternative Route 18**

Segment Combinations: Z-B1-D1-L1-N1-O1-P1-Q1-S1-V1-Y1-F2-H2-M2-Q2-R2			
Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
100	Fort Stockton - Pecos County Airport	19844	Q1
102	Private Airstrip (2)	1229	N1
204	Interstate 10 Rest Area- East Bound	276	Q2
306	WWC Texas RSA LLC (ASR 1243193)	1419	Y1
307	SBA Structures, LLC (ARS 1246765)	1096	Q2
--	41PC15	--	B1
--	41PC16	--	B1
--	41PC17	--	B1
--	41PC442	--	D1
--	41PC443	--	D1
--	41PC615	--	B1
--	41PC616	--	B1
--	41PC674	--	L1
--	41PC740	--	D1
--	41PC741	--	D1
--	41PC761	--	Z
--	41PC762	--	Z
--	41PC784	--	L1
--	41PC79	--	B1

¹ Due to the potential horizontal inaccuracies of the aerial photography and data utilized, all habitable structures within 510' have been identified.

² Distances to sensitive cultural resource sites are not provided for protection of the sites

**Table 4-21 Habitable Structures and Other Land Use Features in the Vicinity of the Primary
Alternative Route 19**

Segment Combinations: Z-A1-C1-F1-H1-J1-M1-P1-Q1-S1-V1-U1-C2-B2-S2-U2-W2-R2			
Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
100	Fort Stockton - Pecos County Airport	19844	Q1
201	Interstate 10 Picnic Area	330	F1
202	Fourteen Mile Park	317	H1
302	SBA Structures, LLC (ARS 1246767)	1253	F1
--	41PC18	--	F1
--	41PC19	--	F1
--	41PC20	--	F1
--	41PC616	--	F1
--	41PC761	--	Z
--	41PC762	--	Z
--	41PC763	--	A1
--	41PC765	--	A1
--	41PC766	--	A1
--	41PC835	--	J1
--	41PC837	--	J1
--	41PC838	--	J1

¹ Due to the potential horizontal inaccuracies of the aerial photography and data utilized, all habitable structures within 510' have been identified.

² Distances to sensitive cultural resource sites are not provided for protection of the sites

**Table 4-22 Habitable Structures and Other Land Use Features in the Vicinity of the Primary
Alternative Route 20**

Segment Combinations: Z-B1-C1-E1-C3-L1-N1-A2-S2-T2-O2-P2-Q2-R2			
Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
102	Private Airstrip (2)	1229	N1
204	Interstate 10 Rest Area- East Bound	276	Q2
307	SBA Structures, LLC (ARS 1246765)	1096	Q2
--	41PC15	--	B1
--	41PC16	--	B1
--	41PC17	--	B1
--	41PC615	--	B1
--	41PC616	--	B1
--	41PC674	--	L1
--	41PC761	--	Z
--	41PC762	--	Z
--	41PC772	--	C3
--	41PC777	--	C3
--	41PC784	--	L1
--	41PC787	--	C3
--	41PC79	--	B1
--	41PC796	--	C3

¹ Due to the potential horizontal inaccuracies of the aerial photography and data utilized, all habitable structures within 510' have been identified

² Distances to sensitive cultural resource sites are not provided for protection of the sites.

**Table 4-23 Habitable Structures and Other Land Use Features in the Vicinity of the Primary
Alternative Route 21**

Segment Combinations: Z-A1-C1-E1-A3-K1-N1-A2-S2-U2-W2-R2			
Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
102	Private Airstrip (2)	1229	N1
--	41PC601	--	A3
--	41PC616	--	E1
--	41PC761	--	Z
--	41PC762	--	Z
--	41PC763	--	A1
--	41PC765	--	A1
	41PC766		A1
--	41PC842	--	K1

¹ Due to the potential horizontal inaccuracies of the aerial photography and data utilized, all habitable structures within 510' have been identified

² Distances to sensitive cultural resource sites are not provided for protection of the sites.

Table 4-24 Habitable Structures and Other Land Use Features in the Vicinity of the Primary Alternative Route 22

Segment Combinations: Z-A1-C1-E1-A3-D3-M1-P1-Q1-S1-W1-B3-G2-J2			
Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
100	Fort Stockton - Pecos County Airport	19844	Q1
203	Interstate 10 Rest Area- West Bound	629	J2
306	WWC Texas RSA LLC (ASR 1243193)	368	W1
307	SBA Structures, LLC (ARS 1246765)	642	J2
--	41PC601	--	A3
--	41PC616	--	E1
--	41PC69	--	W1
--	41PC761	--	Z
--	41PC762	--	Z
--	41PC763	--	A1
--	41PC765	--	A1
--	41PC766	--	A1

¹ Due to the potential horizontal inaccuracies of the aerial photography and data utilized, all habitable structures within 510' have been identified.

² Distances to sensitive cultural resource sites are not provided for protection of the sites

**Table 4-25 Habitable Structures and Other Land Use Features in the Vicinity of the Primary
Alternative Route 23**

Segment Combinations: A-B-E-J-K-O-X2-Z2-R1-S1-W1-B3-G2-J2			
Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
1	Single-family residence	226	E
2	Single-family residence	254	E
3	Single-family residence	469	E
6	Single-family residence	271	R1
7	Single-family residence	425	R1
8	Single-family residence	297	R1
9	Single-family residence	449	R1
10	Single-family residence	302	R1
11	Single-family residence	301	R1
12	Single-family residence	341	R1
13	Single-family residence	443	R1
14	Single-family residence	300	R1
15	Single-family residence	504	R1
16	Single-family residence	504	R1
100	Fort Stockton - Pecos County Airport	7412	R1
203	Interstate 10 Rest Area- West Bound	629	J2
301	Unidentified Communication Tower	257	B
306	WWC Texas RSA LLC (ASR 1243193)	368	W1
307	SBA Structures, LLC (ARS 1246765)	642	J2
400	Girvin Cemetery	126	E
--	41PC69	--	W1
--	41PC761	--	B
--	41PC762	--	A

¹ Due to the potential horizontal inaccuracies of the aerial photography and data utilized, all habitable structures within 510' have been identified

² Distances to sensitive cultural resource sites are not provided for protection of the sites

**Table 4-26 Habitable Structures and Other Land Use Features in the Vicinity of the Primary
Alternative Route 24**

Segment Combinations: A-C-D-E-F-M-R-W-X-Y			
Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
1	Single-family residence	226	E
2	Single-family residence	254	E
3	Single-family residence	469	E
4	Industrial	202	M
5	Industrial	193	M
303	Unidentified Communication Tower	692	R
305	WWC Texas RSA LLC (ASR 1291434)	1125	W
400	Girvin Cemetery	126	E
--	41PC761	--	A
--	41PC762	--	A
--	41PC824	--	R
--	41PC825	--	M

¹ Due to the potential horizontal inaccuracies of the aerial photography and data utilized, all habitable structures within 510' have been identified

² Distances to sensitive cultural resource sites are not provided for protection of the sites

**Table 4-27 Habitable Structures and Other Land Use Features in the Vicinity of the Primary
Alternative Route 25**

Segment Combinations: Z-A1-C1-E1-A3-D3-M1-P1-T1-C2-D2-K2-N2-O2-V2-W2-R2			
Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
25	Single-family residence	180	K2
26	Single-family residence	170	K2
--	41PC601	--	A3
--	41PC616	--	E1
--	41PC761	--	Z
--	41PC762	--	Z
--	41PC763	--	A1
--	41PC765	--	A1
--	41PC766	--	A1

¹ Due to the potential horizontal inaccuracies of the aerial photography and data utilized, all habitable structures within 510' have been identified

² Distances to sensitive cultural resource sites are not provided for protection of the sites.

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Appendix D

Figures 3-14a, b, and c

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Appendix E

Figures 4-1a, b, and c

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Appendix F

LCRA TSC's Oak Wilt Policy

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LCRA EMPLOYEE POLICY MANUAL: 400 SAFETY AND ENVIRONMENTAL

Requirement 402R2: Oak Wilt Prevention

Approval Date	October 2014	Owner	Manager, Environmental Affairs
Effective Date	October 2014	Policy Owner Review	Every Three Years
Review Date	October 2014	Next Executive Team or Designee Review	2016

402R2.1 Oak Wilt Defined

Oak wilt is a tree disease caused by the fungus *Ceratocystis fagacearum*. The fungus infects the conductive tissue (xylem) that contains vessels to transport moisture throughout the tree. The oak wilt fungus causes the infected tree to produce tylosis, which becomes so significant the tree can no longer transport water through its vascular system. The end result, in most cases, is a dead tree.

402R2.2 Prevention of Oak Wilt

- Any person representing LCRA involved in field work where oak trees are trimmed, removed, or could be potentially wounded shall receive oak wilt training. LCRA representatives required to have training include, but are not limited to, project managers, construction managers, environmental staff, equipment operators, contractors, subcontractors, and volunteers. Training must occur before field work may begin in areas with oak trees. Those working with oak trees shall complete the LCRA Oak Wilt Prevention Report as well. When possible, oak trees should not be trimmed or pruned between February and June.
- At all times, sterilizing equipment and dressing wounds are mandatory when trimming or pruning susceptible species.
- Sterilizing tree removal and trimming equipment will occur before leaving the project area or between property boundaries, and will involve using either 1) aerosol disinfectant; 2) 10 percent bleach-water solution; or 3) isopropyl alcohol (minimum 70 percent). In addition, tree-trimming equipment must be sterilized thoroughly before it is used again.
- Irrespective of limb size, all cuts and wounds must be painted with a wound or latex-based paint, a product approved by a certified arborist who has obtained an Oak Wilt Specialist Certification, or one recommended by the Texas Forest Service. Such painting will include stump cuts and damaged roots (regardless if the stumps are to remain in place or are to be grubbed), both above and below ground. Damaged roots located in a trench or excavations that a safety supervisor says cannot be accessed safely do not have to be painted. It takes only a few minutes for an open tree wound to attract insects, so painting cannot wait until all pruning is accomplished. Wound protection must be applied immediately. At a minimum, LCRA representatives will seal all wounds of any size on all oak trees. However, LCRA representatives may elect to seal cuts of other hardwood trees on a case-by-case basis.

402R2.3 Disposal

- Chipping or shredding the wood from infected trees to use as mulch is an acceptable means of recycling it. Chipping or shredding dries the wood quickly and kills the fungus.
- Burning diseased wood is an acceptable means of disposal. Burning diseased logs kills the oak wilt fungus, and it cannot be spread by smoke.
- Firewood from diseased trees should not be stored near healthy trees because fungal spores or insects that carry the spores can spread the fungus. If the brush or logs are to be left for firewood, the LCRA representative must explain to the landowner or landowner's representative that the brush or logs may be infected and warn them of storage hazards.
- LCRA representatives may fulfill this landowner notification obligation by providing pertinent information regarding burning and firewood to the landowner or landowner's representative. Logs over 4 inches, or 10

centimeters, in diameter at breast height must be girdled (have the bark removed), as fungal mats have been found on logs this size and larger after the tree was felled.

- It is recommended that oak firewood be stored under a sheet of clear plastic, and edges tightly sealed with soil or bricks. That should prevent any spore-carrying beetles from escaping. Use clear plastic because black plastic will reveal any escape holes to the beetles.
- Unused disinfectants and paints must be recycled or disposed of properly.
- Material Safety Data Sheets (MSDS) are required for each paint and disinfectant used.

See Also:

[LCRA Oak Wilt Prevention Report](#)

LCRA Oak Wilt Prevention Report

Oak wilt is a tree disease caused by a fungus which in most cases kills the tree. To help prevent the spread of oak wilt LCRA's Oak Wilt Policy states that **all wounds made to oak trees must be painted as soon as the wound is created** with a wound or latex-based paint or a product approved by a Certified Arborist who has obtained an Oak Wilt Specialist Certification or as directed by the Texas Forest Service. Sterilization of tree removal and trimming equipment must occur before leaving the project area or between property boundaries and must involve using an aerosol disinfectant, ten (10) percent bleach-water solution, or isopropyl alcohol (minimum 70%). **Tools must be disinfected between trees if pruning adjacent to oak wilt infested areas.** In addition, trimming equipment must be sterilized thoroughly before it is used again. If mechanical clearing occurs using a device such as a flail mower, one must ensure that stumps are painted.

Please fill out the following report to ensure compliance with LCRA's Oak Wilt policy.

Date	Project Location (e.g. TL #, Substation, Park, etc.)	County	Land Parcel # (if known)	Structures (if applicable)	Type of Paint used (attach MSDS)	Color of Paint*	# of Oak Trees Painted	Type of Disinfectant Used (circle one)
								Aerosol / Bleach / Alcohol
								Aerosol / Bleach / Alcohol
								Aerosol / Bleach / Alcohol
								Aerosol / Bleach / Alcohol
								Aerosol / Bleach / Alcohol
								Aerosol / Bleach / Alcohol
								Aerosol / Bleach / Alcohol
								Aerosol / Bleach / Alcohol

**It is highly recommended that a dark-colored paint (black or brown) be used. Marking and other types of paints that fade easily are not recommended.*

Workers Name (printed): _____ Company: _____

Workers Signature: _____ Date: _____

Please return to your LCRA Environmental Representative

Revision Date October 15, 2014

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June 21, 2017

Mr. Robert W. Bradish
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RE: Far West Texas project

On June 13, 2017 the Electric Reliability Council of Texas (ERCOT) Board of Directors recommended the following Tier 1 transmission project as needed to support the reliability of the ERCOT Regional transmission system:

Far West Texas project:

- Expand the Riverton Switch Station to install a 345 kV ring-bus arrangement with two 600 MVA, 345/138 kV autotransformers
- Construct a new approximately 85-mile 345 kV line on double-circuit structures with one circuit in place, between Moss and Riverton Switch Station. Add a second circuit to the existing 16-mile Moss Switch Station – Odessa EHV 345 kV double-circuit structures. Install 345 kV circuit breaker(s) at Odessa EHV Switch Station. Connect the new circuit from Riverton Switch Station and terminate at Odessa EHV Switch Station to create the new Odessa EHV – Riverton 345 kV line
- Expand the Solstice Switch Station to install a 345 kV ring-bus arrangement with two 600 MVA, 345/138 kV autotransformers
- Construct a new approximately 68-mile 345 kV line from Solstice Switch Station to Bakersfield Station on double-circuit structures with one circuit in place

Additional details on this project are included in the Attachment A to this letter.

This project was supported throughout the ERCOT planning process, which included participation of all market segments through the ERCOT RPG. ERCOT's recommendation to the Board was reviewed by the ERCOT Regional Planning Group and the ERCOT Technical Advisory Committee (TAC). ERCOT staff looks forward to the successful completion of the work and is ready to assist you with any planning and operations related activities.

Should you have any questions please contact me at any time.

Sincerely,



D. W. Rickerson
Vice President, Grid Planning and Operations
Electric Reliability Council of Texas

cc:

Shawnee Claiborn-Pinto, PUCT
Bill Magness, ERCOT
Cheryl Mele, ERCOT
Warren Lasher, ERCOT
Jeff Billo, ERCOT
Prabhu Gnanam, ERCOT